

Table S1: List of the gene IDs obtained by PANTHER analysis.

Gene ID	Gene name	Protein class
HUMAN HGNC=17955 UniProtKB=O43504	Ragulator complex protein LAMTOR5;LAMTOR5;ortholog	
HUMAN HGNC=708 UniProtKB=O15511	Actin-related protein 2/3 complex subunit 5;ARPC5;ortholog	actin or actin-binding cytoskeletal protein(PC00041)
HUMAN HGNC=316 UniProtKB=P43652	Afamin;AFM;ortholog	transfer/carrier protein(PC00219)
HUMAN HGNC=10046 UniProtKB=P12724	Eosinophil cationic protein;RNASE3;ortholog	
HUMAN HGNC=15578 UniProtKB=Q96D71	RalBP1-associated Eps domain-containing protein 1;REPS1;ortholog	membrane traffic protein(PC00150)
HUMAN HGNC=6702 UniProtKB=Q32MZ4	Leucine-rich repeat flightless-interacting protein 1;LRRFIP1;ortholog	DNA-binding transcription factor(PC00218)
HUMAN HGNC=5527 UniProtKB=P01860	Immunoglobulin heavy constant gamma 3;IGHG3;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=2315 UniProtKB=Q96FN4	Copine-2;CPNE2;ortholog	
HUMAN HGNC=2095 UniProtKB=P10909	Clusterin;CLU;ortholog	
HUMAN HGNC=12822 UniProtKB=Q9NQW7	Xaa-Pro aminopeptidase 1;XPNPEP1;ortholog	protease(PC00190)
HUMAN HGNC=30391 UniProtKB=Q9UG01	Intraflagellar transport protein 172 homolog;IFT172;ortholog	structural protein(PC00211)
HUMAN HGNC=5879 UniProtKB=P01699	Immunoglobulin lambda variable 1-44;IGLV1- 44;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=20406 UniProtKB=P48668	Keratin, type II cytoskeletal 6C;KRT6C;ortholog	
HUMAN HGNC=616 UniProtKB=P02749	Beta-2-glycoprotein 1;APOH;ortholog	
HUMAN HGNC=30032 UniProtKB=Q6VY07	Phosphofurin acidic cluster sorting protein 1;PACS1;ortholog	
HUMAN HGNC=9852 UniProtKB=O95373	Importin-7;IPO7;ortholog	transporter(PC00227)
HUMAN HGNC=7446 UniProtKB=Q9Y4I5	Tesmin;TESMIN;ortholog	
HUMAN HGNC=15523 UniProtKB=Q9Y2W7	Calsenilin;KCNIP3;ortholog	
HUMAN HGNC=2873 UniProtKB=P00387	NADH-cytochrome b5 reductase 3;CYB5R3;ortholog	reductase(PC00198)
HUMAN HGNC=13109 UniProtKB=P17038	Zinc finger protein 43;ZNF43;ortholog	C2H2 zinc finger transcription factor(PC00248)
HUMAN HGNC=28648 UniProtKB=Q8IYB7	DIS3-like exonuclease 2;DIS3L2;ortholog	exoribonuclease(PC00099)
HUMAN HGNC=5241 UniProtKB=P11142	Heat shock cognate 71 kDa protein;HSPA8;ortholog	
HUMAN HGNC=17860 UniProtKB=Q8NC51	Plasminogen activator inhibitor 1 RNA-binding protein;SERBP1;ortholog	RNA metabolism protein(PC00031)
HUMAN HGNC=5647 UniProtKB=A0A087WSY4	Immunoglobulin heavy variable 4-30-2;IGHV4-30- 2;ortholog	immunoglobulin(PC00123)

HUMAN HGNC=8587 UniProtKB=P22234	Multifunctional protein ADE2;PAICS;ortholog	
HUMAN HGNC=9456 UniProtKB=P07225	Vitamin K-dependent protein S;PROS1;ortholog	
HUMAN HGNC=5624 UniProtKB=A0A0B4J1X5	Immunoglobulin heavy variable 3-74;IGHV3-74;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=9536 UniProtKB=Q14818	Proteasome subunit alpha type-7;PSMA7;ortholog	protease(PC00190)
HUMAN HGNC=1481 UniProtKB=P04632	Calpain small subunit 1;CAPNS1;ortholog	
HUMAN HGNC=9878 UniProtKB=Q95267	RAS guanyl-releasing protein 1;RASGRP1;ortholog	guanyl-nucleotide exchange factor(PC00113)
HUMAN HGNC=20331 UniProtKB=Q14644	Ras GTPase-activating protein 3;RASA3;ortholog	GTPase-activating protein(PC00257)
HUMAN HGNC=11124 UniProtKB=P55854	Small ubiquitin-related modifier 3;SUMO3;ortholog	
HUMAN HGNC=6413 UniProtKB=P13645	Keratin, type I cytoskeletal 10;KRT10;ortholog	
HUMAN HGNC=11027 UniProtKB=P02730	Band 3 anion transport protein;SLC4A1;ortholog	secondary carrier transporter(PC00258)
HUMAN HGNC=4634 UniProtKB=P28161	Glutathione S-transferase Mu 2;GSTM2;ortholog	transferase(PC00220)
HUMAN HGNC=7178 UniProtKB=Q13201	Multimerin-1;MMRN1;ortholog	
HUMAN HGNC=1101 UniProtKB=P51587	Breast cancer type 2 susceptibility protein;BRCA2;ortholog	damaged DNA-binding protein(PC00086)
HUMAN HGNC=1540 UniProtKB=P08185	Corticosteroid-binding globulin;SERPINA6;ortholog	protease inhibitor(PC00191)
HUMAN HGNC=28450 UniProtKB=Q8NC44	Reticulophagy regulator 2;RETREG2;ortholog	
HUMAN HGNC=4381 UniProtKB=Q14344	Guanine nucleotide-binding protein subunit alpha-13;GNA13;ortholog	heterotrimeric G-protein(PC00117)
HUMAN HGNC=5877 UniProtKB=P01703	Immunoglobulin lambda variable 1-40;IGLV1-40;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=10252 UniProtKB=O75116	Rho-associated protein kinase 2;ROCK2;ortholog	non-receptor serine/threonine protein kinase(PC00167)
HUMAN HGNC=3528 UniProtKB=P00742	Coagulation factor X;F10;ortholog	serine protease(PC00203)
HUMAN HGNC=3338 UniProtKB=Q14247	Src substrate cortactin;CTTN;ortholog	non-motor actin binding protein(PC00165)
HUMAN HGNC=10496 UniProtKB=P06703	Protein S100-A6;S100A6;ortholog	calmodulin-related(PC00061)
HUMAN HGNC=11138 UniProtKB=P37840	Alpha-synuclein;SNCA;ortholog	membrane trafficking regulatory protein(PC00151)
HUMAN HGNC=5213 UniProtKB=P51659	Peroxisomal multifunctional enzyme type 2;HSD17B4;ortholog	
HUMAN HGNC=17598 UniProtKB=Q9Y385	Ubiquitin-conjugating enzyme E2 J1;UBE2J1;ortholog	ubiquitin-protein ligase(PC00234)
HUMAN HGNC=2753 UniProtKB=Q16698	2,4-dienoyl-CoA reductase, mitochondrial;DECR1;ortholog	oxidoreductase(PC00176)

HUMAN HGNC=30765 UniProtKB=Q9UKE5	TRAF2 and NCK-interacting protein kinase;TNK1;ortholog	non-receptor serine/threonine protein kinase(PC00167)
HUMAN HGNC=8508 UniProtKB=O95747	Serine/threonine-protein kinase OSR1;OXS1;ortholog	
HUMAN HGNC=12009 UniProtKB=P60174	Triosephosphate isomerase;TPI1;ortholog	isomerase(PC00135)
HUMAN HGNC=13937 UniProtKB=O95866	Megakaryocyte and platelet inhibitory receptor G6b;MPIG6B;ortholog	transmembrane signal receptor(PC00197)
HUMAN HGNC=14637 UniProtKB=Q86UK0	ATP-binding cassette sub-family A member 12;ABCA12;ortholog	ATP-binding cassette (ABC) transporter(PC00003)
HUMAN HGNC=845 UniProtKB=O75947	ATP synthase subunit d, mitochondrial;ATP5PD;ortholog	ATP synthase(PC00002)
HUMAN HGNC=3231 UniProtKB=Q9HCU4	Cadherin EGF LAG seven-pass G-type receptor 2;CELSR2;ortholog	cadherin(PC00057)
HUMAN HGNC=10666 UniProtKB=Q9Y365	START domain-containing protein 10;STARD10;ortholog	
HUMAN HGNC=10534 UniProtKB=Q9NR31	GTP-binding protein SAR1a;SAR1A;ortholog	
HUMAN HGNC=8127 UniProtKB=O15294	UDP-N-acetylglucosamine--peptide N-acetylglucosaminyltransferase 110 kDa subunit;OGT;ortholog	protein modifying enzyme(PC00260)
HUMAN HGNC=12612 UniProtKB=P54578	Ubiquitin carboxyl-terminal hydrolase 14;USP14;ortholog	cysteine protease(PC00081)
HUMAN HGNC=4243 UniProtKB=P56159	GDNF family receptor alpha-1;GFRA1;ortholog	transmembrane signal receptor(PC00197)
HUMAN HGNC=31797 UniProtKB=P0C7V6	Putative transcription factor SPT20 homolog-like 2;SUPT20HL2;ortholog	chromatin/chromatin-binding, or -regulatory protein(PC00077)
HUMAN HGNC=29351 UniProtKB=Q9C0H5	Rho GTPase-activating protein 39;ARHGAP39;ortholog	
HUMAN HGNC=5645 UniProtKB=A0A0C4DH34	Immunoglobulin heavy variable 4-28;IGHV4-28;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=15861 UniProtKB=Q9H5Z1	Probable ATP-dependent RNA helicase DHX35;DHX35;ortholog	RNA helicase(PC00032)
HUMAN HGNC=4620 UniProtKB=P06396	Gelsolin;GSN;ortholog	non-motor actin binding protein(PC00165)
HUMAN HGNC=2552 UniProtKB=Q13617	Cullin-2;CUL2;ortholog	ubiquitin-protein ligase(PC00234)
HUMAN HGNC=9086 UniProtKB=P60201	Myelin proteolipid protein;PLP1;ortholog	myelin protein(PC00161)
HUMAN HGNC=12088 UniProtKB=A0A075B6Z2	T cell receptor alpha joining 56;TRAJ56;ortholog	
HUMAN HGNC=9065 UniProtKB=P19174	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase gamma-1;PLCG1;ortholog	phospholipase(PC00186)
HUMAN HGNC=5157 UniProtKB=P00492	Hypoxanthine-guanine phosphoribosyltransferase;HPRT1;ortholog	glycosyltransferase(PC00111)
HUMAN HGNC=9164 UniProtKB=Q99719	Septin-5;SEPTIN5;ortholog	cytoskeletal protein(PC00085)
HUMAN HGNC=29233 UniProtKB=Q7Z434	Mitochondrial antiviral-signaling protein;MAVS;ortholog	
HUMAN HGNC=6891 UniProtKB=Q15555	Microtubule-associated protein RP/EB family member 2;MAPRE2;ortholog	non-motor microtubule binding protein(PC00166)

HUMAN HGNC=199 UniProtKB=O43506	Disintegrin and metalloproteinase domain-containing protein 20;ADAM20;ortholog	metalloprotease(PC00153)
HUMAN HGNC=5636 UniProtKB=A0A075B7B8	IGv domain-containing protein;IGHV3OR16-12;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=12585 UniProtKB=P31930	Cytochrome b-c1 complex subunit 1, mitochondrial;UQCRC1;ortholog	metalloprotease(PC00153)
HUMAN HGNC=6835 UniProtKB=P78559	Microtubule-associated protein 1A;MAP1A;ortholog	non-motor microtubule binding protein(PC00166)
HUMAN HGNC=29162 UniProtKB=Q96BN6	Protein FAM149B1;FAM149B1;ortholog	
HUMAN HGNC=1617 UniProtKB=P50991	T-complex protein 1 subunit delta;CCT4;ortholog	chaperonin(PC00073)
HUMAN HGNC=12468 UniProtKB=P0CG48	Polyubiquitin-C;UBC;ortholog	
HUMAN HGNC=24224 UniProtKB=Q9NYY4	Cyclin-dependent kinase 12;CDK12;ortholog	non-receptor serine/threonine protein kinase(PC00167)
HUMAN HGNC=6767 UniProtKB=Q15797	Mothers against decapentaplegic homolog 1;SMAD1;ortholog	DNA-binding transcription factor(PC00218)
HUMAN HGNC=12666 UniProtKB=P55072	Transitional endoplasmic reticulum ATPase;VCP;ortholog	
HUMAN HGNC=17808 UniProtKB=Q9UPT8	Zinc finger CCCH domain-containing protein 4;ZC3H4;ortholog	zinc finger transcription factor(PC00244)
HUMAN HGNC=8823 UniProtKB=P16284	Platelet endothelial cell adhesion molecule;PECAM1;ortholog	immunoglobulin receptor superfamily(PC00124)
HUMAN HGNC=543 UniProtKB=P08758	Annexin A5;ANXA5;ortholog	calcium-binding protein(PC00060)
HUMAN HGNC=9539 UniProtKB=P49721	Proteasome subunit beta type-2;PSMB2;ortholog	protease(PC00190)
HUMAN HGNC=25758 UniProtKB=Q8TED0	U3 small nucleolar RNA-associated protein 15 homolog;UTP15;ortholog	RNA processing factor(PC00147)
HUMAN HGNC=6137 UniProtKB=P17301	Integrin alpha-2;ITGA2;ortholog	integrin(PC00126)
HUMAN HGNC=30138 UniProtKB=Q8N131	Porimin;TMEM123;ortholog	
HUMAN HGNC=8927 UniProtKB=Q93100	Phosphorylase b kinase regulatory subunit beta;PHKB;ortholog	kinase activator(PC00138)
HUMAN HGNC=8783 UniProtKB=Q08499	cAMP-specific 3',5'-cyclic phosphodiesterase 4D;PDE4D;ortholog	phosphodiesterase(PC00185)
HUMAN HGNC=9571 UniProtKB=Q92530	Proteasome inhibitor PI31 subunit;PSMF1;ortholog	protease inhibitor(PC00191)
HUMAN HGNC=3218 UniProtKB=Q12805	EGF-containing fibulin-like extracellular matrix protein 1;EFEMP1;ortholog	extracellular matrix structural protein(PC00103)
HUMAN HGNC=23479 UniProtKB=Q96BY6	Dedicator of cytokinesis protein 10;DOCK10;ortholog	guanyl-nucleotide exchange factor(PC00113)
HUMAN HGNC=9969 UniProtKB=P35251	Replication factor C subunit 1;RFC1;ortholog	DNA metabolism protein(PC00009)
HUMAN HGNC=23074 UniProtKB=Q9NX70	Mediator of RNA polymerase II transcription subunit 29;MED29;ortholog	general transcription factor(PC00259)
HUMAN HGNC=5048 UniProtKB=Q00839	Heterogeneous nuclear ribonucleoprotein U;HNRNPU;ortholog	
HUMAN HGNC=4922 UniProtKB=P19367	Hexokinase-1;HK1;ortholog	kinase(PC00137)

HUMAN HGNC=9459 UniProtKB=Q92786	Prospero homeobox protein 1;PROX1;ortholog	homeodomain transcription factor(PC00119)
HUMAN HGNC=8548 UniProtKB=P07237	Protein disulfide-isomerase;P4HB;ortholog	chaperone(PC00072)
HUMAN HGNC=545 UniProtKB=P20073	Annexin A7;ANXA7;ortholog	calcium-binding protein(PC00060)
HUMAN HGNC=6441 UniProtKB=P19013	Keratin, type II cytoskeletal 4;KRT4;ortholog	
HUMAN HGNC=10467 UniProtKB=Q16799	Reticulon-1;RTN1;ortholog	
HUMAN HGNC=14674 UniProtKB=Q96QU1	Protocadherin-15;PCDH15;ortholog	cadherin(PC00057)
HUMAN HGNC=12379 UniProtKB=Q15631	Translin;TSN;ortholog	
HUMAN HGNC=9756 UniProtKB=O00391	Sulfhydryl oxidase 1;QSOX1;ortholog	oxidase(PC00175)
HUMAN HGNC=18018 UniProtKB=Q8IX18	Probable ATP-dependent RNA helicase DHX40;DHX40;ortholog	RNA helicase(PC00032)
HUMAN HGNC=7717 UniProtKB=P19404	NADH dehydrogenase [ubiquinone] flavoprotein 2, mitochondrial;NDUFV2;ortholog	dehydrogenase(PC00092)
HUMAN HGNC=7618 UniProtKB=O14974	Protein phosphatase 1 regulatory subunit 12A;PPP1R12A;ortholog	phosphatase modulator(PC00184)
HUMAN HGNC=26614 UniProtKB=Q8NB46	Serine/threonine-protein phosphatase 6 regulatory ankyrin repeat subunit C;ANKRD52;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=5834 UniProtKB=P06312	Immunoglobulin kappa variable 4-1;IGKV4-1;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=15663 UniProtKB=Q9NYU2	UDP-glucose:glycoprotein glucosyltransferase 1;UGGT1;ortholog	glycosyltransferase(PC00111)
HUMAN HGNC=11476 UniProtKB=O15260	Surfeit locus protein 4;SURF4;ortholog	chaperone(PC00072)
HUMAN HGNC=32153 UniProtKB=A6NM43	Putative T-complex protein 1 subunit theta-like 1;CCT8L1P;ortholog	chaperonin(PC00073)
HUMAN HGNC=30456 UniProtKB=Q96DA0	Zymogen granule protein 16 homolog B;ZG16B;ortholog	
HUMAN HGNC=11572 UniProtKB=P26639	Threonine--tRNA ligase 1, cytoplasmic;TARS1;ortholog	aminoacyl-tRNA synthetase(PC00047)
HUMAN HGNC=243 UniProtKB=P35611	Alpha-adducin;ADD1;ortholog	non-motor actin binding protein(PC00165)
HUMAN HGNC=15607 UniProtKB=Q14155	Rho guanine nucleotide exchange factor 7;ARHGEF7;ortholog	guanyl-nucleotide exchange factor(PC00113)
HUMAN HGNC=823 UniProtKB=P25705	ATP synthase subunit alpha, mitochondrial;ATP5F1A;ortholog	ATP synthase(PC00002)
HUMAN HGNC=29011 UniProtKB=O15050	TPR and ankyrin repeat-containing protein 1;TRANK1;ortholog	
HUMAN HGNC=4127 UniProtKB=Q7Z7M9	Polypeptide N-acetylgalactosaminyltransferase 5;GALNT5;ortholog	glycosyltransferase(PC00111)
HUMAN HGNC=317 UniProtKB=P02771	Alpha-fetoprotein;AFP;ortholog	transfer/carrier protein(PC00219)
HUMAN HGNC=19296 UniProtKB=Q9UF33	Ephrin type-A receptor 6;EPHA6;ortholog	transmembrane signal receptor(PC00197)
HUMAN HGNC=2312 UniProtKB=P15169	Carboxypeptidase N catalytic chain;CPN1;ortholog	protease(PC00190)

HUMAN HGNC=23787 UniProtKB=Q9P1W3	Calcium permeable stress-gated cation channel 1;TMEM63C;ortholog	
HUMAN HGNC=25694 UniProtKB=Q8TC07	TBC1 domain family member 15;TBC1D15;ortholog	GTPase-activating protein(PC00257)
HUMAN HGNC=20076 UniProtKB=Q96K76	Ubiquitin carboxyl-terminal hydrolase 47;USP47;ortholog	cysteine protease(PC00081)
HUMAN HGNC=25631 UniProtKB=Q96MT7	Cilia- and flagella-associated protein 44;CFAP44;ortholog	
HUMAN HGNC=7228 UniProtKB=P22897	Macrophage mannose receptor 1;MRC1;ortholog	
HUMAN HGNC=4747 UniProtKB=P58876	Histone H2B type 1-D;H2BC5;ortholog	histone(PC00118)
HUMAN HGNC=28972 UniProtKB=Q8IX22	Zinc finger CCCH domain-containing protein 3;ZC3H3;ortholog	
HUMAN HGNC=12407 UniProtKB=P68366	Tubulin alpha-4A chain;TUBA4A;ortholog	tubulin(PC00228)
HUMAN HGNC=11283 UniProtKB=P12931	Proto-oncogene tyrosine-protein kinase Src;SRC;ortholog	
HUMAN HGNC=2974 UniProtKB=P50570	Dynamin-2;DNM2;ortholog	membrane traffic protein(PC00150)
HUMAN HGNC=9240 UniProtKB=P02775	Platelet basic protein;PPBP;ortholog	chemokine(PC00074)
HUMAN HGNC=13420 UniProtKB=Q86TP1	Exopolyphosphatase PRUNE1;PRUNE1;ortholog	
HUMAN HGNC=1630 UniProtKB=P48509	CD151 antigen;CD151;ortholog	
HUMAN HGNC=7670 UniProtKB=Q9Y6Q9	Nuclear receptor coactivator 3;NCOA3;ortholog	histone modifying enzyme(PC00261)
HUMAN HGNC=13406 UniProtKB=Q9Y6V0	Protein piccolo;PCLO;ortholog	
HUMAN HGNC=535 UniProtKB=P50995	Annexin A11;ANXA11;ortholog	calcium-binding protein(PC00060)
HUMAN HGNC=21013 UniProtKB=Q6UX71	Plexin domain-containing protein 2;PLXDC2;ortholog	
HUMAN HGNC=14261 UniProtKB=Q9NS28	Regulator of G-protein signaling 18;RGS18;ortholog	GTPase-activating protein(PC00257)
HUMAN HGNC=2905 UniProtKB=O14490	Disks large-associated protein 1;DLGAP1;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=9141 UniProtKB=Q15126	Phosphomevalonate kinase;PMVK;ortholog	kinase(PC00137)
HUMAN HGNC=4443 UniProtKB=P40197	Platelet glycoprotein V;GP5;ortholog	
HUMAN HGNC=115 UniProtKB=P53396	ATP-citrate synthase;ACLY;ortholog	transferase(PC00220)
HUMAN HGNC=18311 UniProtKB=Q9BS26	Endoplasmic reticulum resident protein 44;ERP44;ortholog	
HUMAN HGNC=1353 UniProtKB=P07358	Complement component C8 beta chain;C8B;ortholog	
HUMAN HGNC=5 UniProtKB=P04217	Alpha-1B-glycoprotein;A1BG;ortholog	immunoglobulin receptor superfamily(PC00124)
HUMAN HGNC=11075 UniProtKB=O14745	Na(+)/H(+) exchange regulatory cofactor NHERF1;SLC9A3R1;ortholog	
HUMAN HGNC=167 UniProtKB=P61163	Alpha-centractin;ACTR1A;ortholog	actin and actin related protein(PC00039)

HUMAN HGNC=13933 UniProtKB=Q5SQ64	Lymphocyte antigen 6 complex locus protein G6f;LY6G6F;ortholog	
HUMAN HGNC=4459 UniProtKB=P80108	Phosphatidylinositol-glycan-specific phospholipase D;GPLD1;ortholog	phospholipase(PC00186)
HUMAN HGNC=17213 UniProtKB=Q9BWP8	Collectin-11;COLEC11;ortholog	surfactant(PC00212)
HUMAN HGNC=14685 UniProtKB=Q9Y624	Junctional adhesion molecule A;F11R;ortholog	
HUMAN HGNC=1491 UniProtKB=P47756	F-actin-capping protein subunit beta;CAPZB;ortholog	non-motor actin binding protein(PC00165)
HUMAN HGNC=3350 UniProtKB=P06733	Alpha-enolase;ENO1;ortholog	lyase(PC00144)
HUMAN HGNC=9784 UniProtKB=P61020	Ras-related protein Rab-5B;RAB5B;ortholog	
HUMAN HGNC=5246 UniProtKB=P04792	Heat shock protein beta-1;HSPB1;ortholog	
HUMAN HGNC=19286 UniProtKB=Q6P3W7	SCY1-like protein 2;SCYL2;ortholog	non-receptor serine/threonine protein kinase(PC00167)
HUMAN HGNC=3602 UniProtKB=Q9UBX5	Fibulin-5;FBLN5;ortholog	extracellular matrix structural protein(PC00103)
HUMAN HGNC=22197 UniProtKB=O43299	AP-5 complex subunit zeta-1;AP5Z1;ortholog	
HUMAN HGNC=16754 UniProtKB=Q96P50	Arf-GAP with coiled-coil, ANK repeat and PH domain-containing protein 3;ACAP3;ortholog	
HUMAN HGNC=12754 UniProtKB=O75083	WD repeat-containing protein 1;WDR1;ortholog	non-motor actin binding protein(PC00165)
HUMAN HGNC=5800 UniProtKB=A0A075B6S2	Immunoglobulin kappa variable 2D-29;IGKV2D-29;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=15878 UniProtKB=Q9NQ75	Cas scaffolding protein family member 4;CASS4;ortholog	
HUMAN HGNC=31104 UniProtKB=Q92614	Unconventional myosin-XVIIIa;MYO18A;ortholog	
HUMAN HGNC=11071 UniProtKB=P19634	Sodium/hydrogen exchanger 1;SLC9A1;ortholog	secondary carrier transporter(PC00258)
HUMAN HGNC=4162 UniProtKB=P41250	Glycine--tRNA ligase;GARS1;ortholog	aminoacyl-tRNA synthetase(PC00047)
HUMAN HGNC=13206 UniProtKB=O60296	Trafficking kinesin-binding protein 2;TRAK2;ortholog	membrane traffic protein(PC00150)
HUMAN HGNC=5461 UniProtKB=P78318	Immunoglobulin-binding protein 1;IGBP1;ortholog	chaperone(PC00072)
HUMAN HGNC=4831 UniProtKB=P69891	Hemoglobin subunit gamma-1;HBG1;ortholog	
HUMAN HGNC=20063 UniProtKB=Q86T82	Ubiquitin carboxyl-terminal hydrolase 37;USP37;ortholog	cysteine protease(PC00081)
HUMAN HGNC=19740 UniProtKB=Q96RV3	Pecanex-like protein 1;PCNX1;ortholog	
HUMAN HGNC=2067 UniProtKB=O00151	PDZ and LIM domain protein 1;PDLIM1;ortholog	actin or actin-binding cytoskeletal protein(PC00041)
HUMAN HGNC=28843 UniProtKB=Q9HC44	Vasculin-like protein 1;GPBP1L1;ortholog	

HUMAN HGNC=7380 UniProtKB=P26927	Hepatocyte growth factor-like protein;MST1;ortholog	serine protease(PC00203)
HUMAN HGNC=3309 UniProtKB=P08246	Neutrophil elastase;ELANE;ortholog	serine protease(PC00203)
HUMAN HGNC=24251 UniProtKB=Q9Y3A6	Transmembrane emp24 domain-containing protein 5;TMED5;ortholog	vesicle coat protein(PC00235)
HUMAN HGNC=669 UniProtKB=P08134	Rho-related GTP-binding protein RhoC;RHOC;ortholog	small GTPase(PC00208)
HUMAN HGNC=24175 UniProtKB=Q9P035	Very-long-chain (3R)-3-hydroxyacyl-CoA dehydratase 3;HACD3;ortholog	
HUMAN HGNC=12852 UniProtKB=P61981	14-3-3 protein gamma;YWHAG;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=5581 UniProtKB=P01766	Immunoglobulin heavy variable 3-13;IGHV3-13;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=9449 UniProtKB=P04156	Major prion protein;PRNP;ortholog	calcium-binding protein(PC00060)
HUMAN HGNC=164 UniProtKB=P35609	Alpha-actinin-2;ACTN2;ortholog	
HUMAN HGNC=37094 UniProtKB=P0CG39	POTE ankyrin domain family member J;POTEJ;ortholog	membrane traffic protein(PC00150)
HUMAN HGNC=18325 UniProtKB=Q2WGN9	GRB2-associated-binding protein 4;GAB4;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=5857 UniProtKB=P0DOY3	Immunoglobulin lambda constant 3;IGLC3;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=2696 UniProtKB=Q9UJU6	Drebrin-like protein;DBNL;ortholog	non-motor actin binding protein(PC00165)
HUMAN HGNC=3662 UniProtKB=P02675	Fibrinogen beta chain;FGB;ortholog	intercellular signal molecule(PC00207)
HUMAN HGNC=17865 UniProtKB=Q96A26	Protein FAM162A;FAM162A;ortholog	
HUMAN HGNC=7176 UniProtKB=P14780	Matrix metalloproteinase-9;MMP9;ortholog	metalloprotease(PC00153)
HUMAN HGNC=11125 UniProtKB=P61956	Small ubiquitin-related modifier 2;SUMO2;ortholog	
HUMAN HGNC=92 UniProtKB=P49748	Very long-chain specific acyl-CoA dehydrogenase, mitochondrial;ACADVL;ortholog	dehydrogenase(PC00092)
HUMAN HGNC=9553 UniProtKB=P62333	26S proteasome regulatory subunit 10B;PSMC6;ortholog	protease(PC00190)
HUMAN HGNC=1908 UniProtKB=Q96RL7	Vacuolar protein sorting-associated protein 13A;VPS13A;ortholog	membrane traffic protein(PC00150)
HUMAN HGNC=5033 UniProtKB=P22626	Heterogeneous nuclear ribonucleoproteins A2/B1;HNRNPA2B1;ortholog	
HUMAN HGNC=30178 UniProtKB=Q9Y570	Protein phosphatase methylesterase 1;PPME1;ortholog	protein modifying enzyme(PC00260)
HUMAN HGNC=5781 UniProtKB=A0A0C4DH68	Immunoglobulin kappa variable 2-24;IGKV2-24;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=9866 UniProtKB=P13631	Retinoic acid receptor gamma;RARG;ortholog	C4 zinc finger nuclear receptor(PC00169)
HUMAN HGNC=2689 UniProtKB=P09172	Dopamine beta-hydroxylase;DBH;ortholog	hydroxylase(PC00122)
HUMAN HGNC=9281 UniProtKB=P62136	Serine/threonine-protein phosphatase PP1-alpha catalytic subunit;PPP1CA;ortholog	protein phosphatase(PC00195)
HUMAN HGNC=291 UniProtKB=P30566	Adenylosuccinate lyase;ADSL;ortholog	lyase(PC00144)



HUMAN HGNC=10499 UniProtKB=P06702	Protein S100-A9;S100A9;ortholog	calmodulin-related(PC00061)
HUMAN HGNC=3149 UniProtKB=Q13011	Delta(3,5)-Delta(2,4)-dienoyl-CoA isomerase, mitochondrial;ECH1;ortholog	hydratase(PC00120)
HUMAN HGNC=5549 UniProtKB=A0A0C4DH31	Immunoglobulin heavy variable 1-18;IGHV1-18;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=11343 UniProtKB=P50502	Hsc70-interacting protein;ST13;ortholog	
HUMAN HGNC=658 UniProtKB=P84085	ADP-ribosylation factor 5;ARF5;ortholog	G-protein(PC00020)
HUMAN HGNC=7579 UniProtKB=P35579	Myosin-9;MYH9;ortholog	
HUMAN HGNC=29427 UniProtKB=Q8TF17	SH3 domain and tetratricopeptide repeat-containing protein 2;SH3TC2;ortholog	
HUMAN HGNC=3465 UniProtKB=P10768	S-formylglutathione hydrolase;ESD;ortholog	serine protease(PC00203)
HUMAN HGNC=13397 UniProtKB=Q9UHQ9	NADH-cytochrome b5 reductase 1;CYB5R1;ortholog	reductase(PC00198)
HUMAN HGNC=5716 UniProtKB=P01834	Immunoglobulin kappa constant;IGKC;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=871 UniProtKB=Q9UII2	ATPase inhibitor, mitochondrial;ATP5IF1;ortholog	ligase(PC00142)
HUMAN HGNC=19246 UniProtKB=Q9NYB0	Telomeric repeat-binding factor 2-interacting protein 1;TERF2IP;ortholog	DNA metabolism protein(PC00009)
HUMAN HGNC=9545 UniProtKB=P28062	Proteasome subunit beta type-8;PSMB8;ortholog	protease(PC00190)
HUMAN HGNC=11030 UniProtKB=Q9Y6R1	Electrogenic sodium bicarbonate cotransporter 1;SLC4A4;ortholog	secondary carrier transporter(PC00258)
HUMAN HGNC=4932 UniProtKB=P01889	HLA class I histocompatibility antigen, B alpha chain;HLA-B;ortholog	major histocompatibility complex protein(PC00149)
HUMAN HGNC=21449 UniProtKB=Q86UX2	Inter-alpha-trypsin inhibitor heavy chain H5;ITIH5;ortholog	protease inhibitor(PC00191)
HUMAN HGNC=9723 UniProtKB=P11216	Glycogen phosphorylase, brain form;PYGB;ortholog	glycosyltransferase(PC00111)
HUMAN HGNC=29827 UniProtKB=O14950		actin or actin-binding cytoskeletal protein(PC00041)
HUMAN HGNC=584 UniProtKB=P02743	Myosin regulatory light chain 12B;MYL12B;ortholog	
HUMAN HGNC=29953 UniProtKB=Q8WWZ8	Serum amyloid P-component;APCS;ortholog	
HUMAN HGNC=4440 UniProtKB=P13224	Oncoprotein-induced transcript 3 protein;OIT3;ortholog	transmembrane signal receptor(PC00197)
HUMAN HGNC=16854 UniProtKB=Q9Y4G8	Platelet glycoprotein Ib beta chain;GP1BB;ortholog	
HUMAN HGNC=12494 UniProtKB=Q13404	Rap guanine nucleotide exchange factor 2;RAPGEF2;ortholog	guanyl-nucleotide exchange factor(PC00113)
HUMAN HGNC=27424 UniProtKB=Q5T481	Ubiquitin-conjugating enzyme E2 variant 1;UBE2V1;ortholog	ubiquitin-protein ligase(PC00234)
HUMAN HGNC=30747 UniProtKB=P61201	RNA-binding protein 20;RBM20;ortholog	
HUMAN HGNC=7127 UniProtKB=P40692	COP9 signalosome complex subunit 2;COPS2;ortholog	
	DNA mismatch repair protein Mlh1;MLH1;ortholog	DNA metabolism protein(PC00009)

HUMAN HGNC=10825 UniProtKB=P78314	SH3 domain-binding protein 2;SH3BP2;ortholog	
HUMAN HGNC=15667 UniProtKB=P58546	Myotrophin;MTPN;ortholog	
HUMAN HGNC=17073 UniProtKB=Q9UNA1	Rho GTPase-activating protein 26;ARHGAP26;ortholog	GTPase-activating protein(PC00257)
HUMAN HGNC=12692 UniProtKB=P08670	Vimentin;VIM;ortholog	
HUMAN HGNC=4861 UniProtKB=Q9NRZ9	Lymphoid-specific helicase;HELLS;ortholog	
HUMAN HGNC=6396 UniProtKB=O00505	Importin subunit alpha-4;KPNA3;ortholog	transporter(PC00227)
HUMAN HGNC=26027 UniProtKB=Q9H0A8	COMM domain-containing protein 4;COMMD4;ortholog	
HUMAN HGNC=13518 UniProtKB=Q9Y696	Chloride intracellular channel protein 4;CLIC4;ortholog	ion channel(PC00133)
HUMAN HGNC=6922 UniProtKB=P11226	Mannose-binding protein C;MBL2;ortholog	extracellular matrix structural protein(PC00103)
HUMAN HGNC=13919 UniProtKB=P46379	Large proline-rich protein BAG6;BAG6;ortholog	chaperone(PC00072)
HUMAN HGNC=6711 UniProtKB=Q06643	Lymphotoxin-beta;LTB;ortholog	
HUMAN HGNC=399 UniProtKB=P02768	Albumin;ALB;ortholog	transfer/carrier protein(PC00219)
HUMAN HGNC=15453 UniProtKB=Q9H3P7	Golgi resident protein GCP60;ACBD3;ortholog	
HUMAN HGNC=17136 UniProtKB=Q8IY81	pre-rRNA 2'-O-ribose RNA methyltransferase FTSJ3;FTSJ3;ortholog	RNA methyltransferase(PC00033)
HUMAN HGNC=28959 UniProtKB=Q14008	Cytoskeleton-associated protein 5;CKAP5;ortholog	non-motor microtubule binding protein(PC00166)
HUMAN HGNC=10690 UniProtKB=O95810	Caveolae-associated protein 2;CAVIN2;ortholog	membrane traffic protein(PC00150)
HUMAN HGNC=13759 UniProtKB=Q7L576	Cytoplasmic FMR1-interacting protein 1;CYFIP1;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=12840 UniProtKB=P54577	Tyrosine--tRNA ligase, cytoplasmic;YARS1;ortholog	translational protein(PC00263)
HUMAN HGNC=20597 UniProtKB=P61960	Ubiquitin-fold modifier 1;UFM1;ortholog	
HUMAN HGNC=29229 UniProtKB=Q9ULI1	NACHT and WD repeat domain-containing protein 2;NWD2;ortholog	
HUMAN HGNC=5897 UniProtKB=A0A075B6K4	Immunoglobulin lambda variable 3-10;IGLV3-10;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=30244 UniProtKB=Q6P1A2	Lysophospholipid acyltransferase 5;LPCAT3;ortholog	acetyltransferase(PC00038)
HUMAN HGNC=7892 UniProtKB=P00491	Purine nucleoside phosphorylase;PNP;ortholog	nucleotide kinase(PC00172)
HUMAN HGNC=2478 UniProtKB=Q15828	Cystatin-M;CST6;ortholog	
HUMAN HGNC=30220 UniProtKB=Q96AA3	Protein RFT1 homolog;RFT1;ortholog	
HUMAN HGNC=25452 UniProtKB=Q8N4L2	Type 2 phosphatidylinositol 4,5-bisphosphate 4-phosphatase;PIP4P2;ortholog	

HUMAN HGNC=603 UniProtKB=P04114	Apolipoprotein B-100;APOB;ortholog	apolipoprotein(PC00052)
HUMAN HGNC=24331 UniProtKB=Q5VYJ5	MAM and LDL-receptor class A domain-containing protein 1;MALRD1;ortholog	
HUMAN HGNC=24319 UniProtKB=Q8IY22	C-Maf-inducing protein;CMIP;ortholog	
HUMAN HGNC=846 UniProtKB=P56385	ATP synthase subunit e, mitochondrial;ATP5ME;ortholog	ATP synthase(PC00002)
HUMAN HGNC=21883 UniProtKB=Q9H3E2	Sorting nexin-25;SNX25;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=12363 UniProtKB=P49815	Tuberin;TSC2;ortholog	GTPase-activating protein(PC00257)
HUMAN HGNC=6111 UniProtKB=Q13576	Ras GTPase-activating-like protein IQGAP2;IQGAP2;ortholog	GTPase-activating protein(PC00257)
HUMAN HGNC=983 UniProtKB=P06276	Cholinesterase;BCHE;ortholog	esterase(PC00097)
HUMAN HGNC=166 UniProtKB=O43707	Alpha-actinin-4;ACTN4;ortholog	
HUMAN HGNC=20175 UniProtKB=Q9Y3E0	Vesicle transport protein GOT1B;GOLT1B;ortholog	lipase(PC00143)
HUMAN HGNC=11364 UniProtKB=P40763	Signal transducer and activator of transcription 3;STAT3;ortholog	DNA-binding transcription factor(PC00218)
HUMAN HGNC=9847 UniProtKB=P43487	Ran-specific GTPase-activating protein;RANBP1;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=2363 UniProtKB=P46109	Crk-like protein;CRKL;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=11771 UniProtKB=Q15582	Transforming growth factor-beta-induced protein ig-h3;TGFB1;ortholog	cell adhesion molecule(PC00069)
HUMAN HGNC=2952 UniProtKB=Q96JB1	Dynein heavy chain 8, axonemal;DNAH8;ortholog	microtubule binding motor protein(PC00156)
HUMAN HGNC=25541 UniProtKB=P57088	Transmembrane protein 33;TMEM33;ortholog	
HUMAN HGNC=30512 UniProtKB=Q5JSH3	WD repeat-containing protein 44;WDR44;ortholog	
HUMAN HGNC=11092 UniProtKB=P03973	Antileukoprotease;SLPI;ortholog	protease inhibitor(PC00191)
HUMAN HGNC=12469 UniProtKB=P22314	Ubiquitin-like modifier-activating enzyme 1;UBA1;ortholog	ubiquitin-protein ligase(PC00234)
HUMAN HGNC=20292 UniProtKB=Q9Y376	Calcium-binding protein 39;CAB39;ortholog	
HUMAN HGNC=16015 UniProtKB=Q9H8S9	MOB kinase activator 1A;MOB1A;ortholog	kinase activator(PC00138)
HUMAN HGNC=5164 UniProtKB=Q9Y251	Heparanase;HPSE;ortholog	glycosidase(PC00110)
HUMAN HGNC=19072 UniProtKB=Q96J01	THO complex subunit 3;THOC3;ortholog	RNA metabolism protein(PC00031)
HUMAN HGNC=6522 UniProtKB=P04180	Phosphatidylcholine-sterol acyltransferase;LCAT;ortholog	acyltransferase(PC00042)
HUMAN HGNC=9308 UniProtKB=Q15257	Serine/threonine-protein phosphatase 2A activator;PTPA;ortholog	phosphatase activator(PC00182)
HUMAN HGNC=11226 UniProtKB=Q96JI7	Spatacin;SPG11;ortholog	
HUMAN HGNC=24588 UniProtKB=Q86XP6	Gastroke-2;GKN2;ortholog	

HUMAN HGNC=7421 UniProtKB=P00403	Cytochrome c oxidase subunit 2;MT-CO2;ortholog	oxidoreductase(PC00176)
HUMAN HGNC=9021 UniProtKB=P14618	Pyruvate kinase PKM;PKM;ortholog	kinase(PC00137)
HUMAN HGNC=3244 UniProtKB=Q9NZN3	EH domain-containing protein 3;EHD3;ortholog	membrane traffic protein(PC00150)
HUMAN HGNC=3377 UniProtKB=P11171	Protein 4.1;EPB41;ortholog	
HUMAN HGNC=11317 UniProtKB=Q04837	Single-stranded DNA-binding protein, mitochondrial;SSBP1;ortholog	DNA metabolism protein(PC00009)
HUMAN HGNC=12527 UniProtKB=Q16851	UTP--glucose-1-phosphate uridylyltransferase;UGP2;ortholog	
HUMAN HGNC=23172 UniProtKB=Q8N699	Myc target protein 1;MYCT1;ortholog	
HUMAN HGNC=586 UniProtKB=P13798	Acylamino-acid-releasing enzyme;APEH;ortholog	serine protease(PC00203)
HUMAN HGNC=2211 UniProtKB=P12109	Collagen alpha-1(VI) chain;COL6A1;ortholog	extracellular matrix structural protein(PC00103)
HUMAN HGNC=1352 UniProtKB=P07357	Complement component C8 alpha chain;C8A;ortholog	
HUMAN HGNC=9304 UniProtKB=P63151	Serine/threonine-protein phosphatase 2A 55 kDa regulatory subunit B alpha isoform;PPP2R2A;ortholog	protein phosphatase(PC00195)
HUMAN HGNC=6637 UniProtKB=P20700	Lamin-B1;LMNB1;ortholog	
HUMAN HGNC=7539 UniProtKB=Q9NR99	Matrix-remodeling-associated protein 5;MXRA5;ortholog	
HUMAN HGNC=5901 UniProtKB=A0A075B6K0	Immunoglobulin lambda variable 3-16;IGLV3-16;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=10011 UniProtKB=Q15382	GTP-binding protein Rheb;RHEB;ortholog	small GTPase(PC00208)
HUMAN HGNC=6383 UniProtKB=P01042	Kininogen-1;KNG1;ortholog	protease inhibitor(PC00191)
HUMAN HGNC=1504 UniProtKB=P42574	Caspase-3;CASP3;ortholog	protease(PC00190)
HUMAN HGNC=9959 UniProtKB=P51606	N-acylglucosamine 2-epimerase;RENBP;ortholog	epimerase/racemase(PC00096)
HUMAN HGNC=15567 UniProtKB=Q9UJC5	SH3 domain-binding glutamic acid-rich-like protein 2;SH3BGR2;ortholog	
HUMAN HGNC=7413 UniProtKB=Q13126	S-methyl-5'-thioadenosine phosphorylase;MTAP;ortholog	nucleotide kinase(PC00172)
HUMAN HGNC=8630 UniProtKB=P30086	Phosphatidylethanolamine-binding protein 1;PEBP1;ortholog	protease inhibitor(PC00191)
HUMAN HGNC=23791 UniProtKB=Q27J81	Inverted formin-2;INF2;ortholog	
HUMAN HGNC=4439 UniProtKB=P07359	Platelet glycoprotein Ib alpha chain;GP1BA;ortholog	transmembrane signal receptor(PC00197)
HUMAN HGNC=4638 UniProtKB=P09211	Glutathione S-transferase P;GSTP1;ortholog	transferase(PC00220)
HUMAN HGNC=3625 UniProtKB=O75636	Ficolin-3;FCN3;ortholog	intercellular signal molecule(PC00207)
HUMAN HGNC=13667 UniProtKB=Q9BXS5	AP-1 complex subunit mu-1;AP1M1;ortholog	membrane traffic protein(PC00150)

HUMAN HGNC=21035 UniProtKB=Q8N392	Rho GTPase-activating protein 18;ARHGAP18;ortholog	GTPase-activating protein(PC00257)
HUMAN HGNC=19829 UniProtKB=Q8N128	Protein FAM177A1;FAM177A1;ortholog	
HUMAN HGNC=7106 UniProtKB=P54252	Ataxin-3;ATXN3;ortholog	chromatin/chromatin-binding, or -regulatory protein(PC00077)
HUMAN HGNC=29531 UniProtKB=Q6PKG0	La-related protein 1;LARP1;ortholog	RNA metabolism protein(PC00031)
HUMAN HGNC=2665 UniProtKB=P08174	Complement decay-accelerating factor;CD55;ortholog	
HUMAN HGNC=14060 UniProtKB=Q9UBZ9	DNA repair protein REV1;REV1;ortholog	DNA metabolism protein(PC00009)
HUMAN HGNC=12648 UniProtKB=Q9P0L0	Vesicle-associated membrane protein-associated protein A;VAPA;ortholog	membrane trafficking regulatory protein(PC00151)
HUMAN HGNC=4312 UniProtKB=P48507	Glutamate--cysteine ligase regulatory subunit;GCLM;ortholog	ligase(PC00142)
HUMAN HGNC=18621 UniProtKB=Q9Y2V7	Conserved oligomeric Golgi complex subunit 6;COG6;ortholog	
HUMAN HGNC=4632 UniProtKB=P09488	Glutathione S-transferase Mu 1;GSTM1;ortholog	transferase(PC00220)
HUMAN HGNC=28817 UniProtKB=Q96AG4	Leucine-rich repeat-containing protein 59;LRRC59;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=12736 UniProtKB=O43516	WAS/WASL-interacting protein family member 1;WIPF1;ortholog	actin or actin-binding cytoskeletal protein(PC00041)
HUMAN HGNC=3531 UniProtKB=P00488	Coagulation factor XIII A chain;F13A1;ortholog	transferase(PC00220)
HUMAN HGNC=5622 UniProtKB=A0A0B4J1Y9	Immunoglobulin heavy variable 3-72;IGHV3-72;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=5594 UniProtKB=P0DP03	Immunoglobulin heavy variable 3-30-5;IGHV3-30-5;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=8876 UniProtKB=P17858	ATP-dependent 6-phosphofructokinase, liver type;PFKL;ortholog	carbohydrate kinase(PC00065)
HUMAN HGNC=11424 UniProtKB=O43815	Striatin;STRN;ortholog	
HUMAN HGNC=9295 UniProtKB=Q15435	Protein phosphatase 1 regulatory subunit 7;PPP1R7;ortholog	phosphatase modulator(PC00184)
HUMAN HGNC=4036 UniProtKB=O15117	FYN-binding protein 1;FYB1;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=418 UniProtKB=P09972	Fructose-bisphosphate aldolase C;ALDOC;ortholog	aldolase(PC00044)
HUMAN HGNC=21605 UniProtKB=Q14151	Scaffold attachment factor B2;SAFB2;ortholog	
HUMAN HGNC=29890 UniProtKB=Q86UT6	NLR family member X1;NLRX1;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=29213 UniProtKB=Q8WUJ3	Cell migration-inducing and hyaluronan-binding protein;CEMIP;ortholog	
HUMAN HGNC=9386 UniProtKB=Q9UGJ0	5'-AMP-activated protein kinase subunit gamma-2;PRKAG2;ortholog	kinase modulator(PC00140)
HUMAN HGNC=13238 UniProtKB=Q9HDC9	Adipocyte plasma membrane-associated protein;APMAP;ortholog	

HUMAN HGNC=706 UniProtKB=O15145	Actin-related protein 2/3 complex subunit 3;ARPC3;ortholog	actin or actin-binding cytoskeletal protein(PC00041)
HUMAN HGNC=598 UniProtKB=Q06481	Amyloid-like protein 2;APLP2;ortholog	protease inhibitor(PC00191)
HUMAN HGNC=30547 UniProtKB=Q96K17	Transcription factor BTF3 homolog 4;BTF3L4;ortholog	DNA-binding transcription factor(PC00218)
HUMAN HGNC=8968 UniProtKB=P01833	Polymeric immunoglobulin receptor;PIGR;ortholog	immunoglobulin receptor superfamily(PC00124)
HUMAN HGNC=23186 UniProtKB=Q14677	Clathrin interactor 1;CLINT1;ortholog	
HUMAN HGNC=2092 UniProtKB=Q00610	Clathrin heavy chain 1;CLTC;ortholog	vesicle coat protein(PC00235)
HUMAN HGNC=10996 UniProtKB=O14975	Very long-chain acyl-CoA synthetase;SLC27A2;ortholog	secondary carrier transporter(PC00258)
HUMAN HGNC=25012 UniProtKB=Q3ZCW2	Galectin-related protein;LGALS1;ortholog	extracellular matrix protein(PC00102)
HUMAN HGNC=11820 UniProtKB=P01033	Metalloproteinase inhibitor 1;TIMP1;ortholog	protease inhibitor(PC00191)
HUMAN HGNC=28973 UniProtKB=Q14165	Malectin;MLEC;ortholog	
HUMAN HGNC=5468 UniProtKB=P35858	Insulin-like growth factor-binding protein complex acid labile subunit;IGFALS;ortholog	transmembrane signal receptor(PC00197)
HUMAN HGNC=16369 UniProtKB=Q99497	Parkinson disease protein 7;PARK7;ortholog	
HUMAN HGNC=12674 UniProtKB=Q9Y277	Voltage-dependent anion-selective channel protein 3;VDAC3;ortholog	voltage-gated ion channel(PC00241)
HUMAN HGNC=9469 UniProtKB=O14668	Transmembrane gamma-carboxyglutamic acid protein 1;PRRG1;ortholog	serine protease(PC00203)
HUMAN HGNC=6740 UniProtKB=P61626	Lysozyme C;LYZ;ortholog	
HUMAN HGNC=24700 UniProtKB=Q5QNW6	Histone H2B type 2-F;H2BC18;ortholog	histone(PC00118)
HUMAN HGNC=28928 UniProtKB=Q86Y46	Keratin, type II cytoskeletal 73;KRT73;ortholog	
HUMAN HGNC=6901 UniProtKB=P48740	Mannan-binding lectin serine protease 1;MASP1;ortholog	serine protease(PC00203)
HUMAN HGNC=6168 UniProtKB=Q06033	Inter-alpha-trypsin inhibitor heavy chain H3;ITIH3;ortholog	protease inhibitor(PC00191)
HUMAN HGNC=5889 UniProtKB=A0A075B6J9	Immunoglobulin lambda variable 2-18;IGLV2-18;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=2876 UniProtKB=O60610	Protein diaphanous homolog 1;DIAPH1;ortholog	
HUMAN HGNC=9568 UniProtKB=Q06323	Proteasome activator complex subunit 1;PSME1;ortholog	
HUMAN HGNC=5759 UniProtKB=A0A087WSZ0	Immunoglobulin kappa variable 1D-8;IGKV1D-8;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=7097 UniProtKB=P14174	Macrophage migration inhibitory factor;MIF;ortholog	decarboxylase(PC00089)
HUMAN HGNC=9259 UniProtKB=P30405	Peptidyl-prolyl cis-trans isomerase F, mitochondrial;PPIF;ortholog	chaperone(PC00072)
HUMAN HGNC=20451 UniProtKB=Q8IWB7	WD repeat and FYVE domain-containing protein 1;WDFY1;ortholog	

HUMAN HGNC=14313 UniProtKB=Q8WYA0	Intraflagellar transport protein 81 homolog;IFT81;ortholog	
HUMAN HGNC=9275 UniProtKB=P35813	Protein phosphatase 1A;PPM1A;ortholog	
HUMAN Gene=SELO UniProtKB=Q9BVL4	Protein adenylyltransferase SelO, mitochondrial;SELENOO;ortholog	
HUMAN HGNC=12855 UniProtKB=P63104	14-3-3 protein zeta/delta;YWHAZ;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=6040 UniProtKB=Q13418	Integrin-linked protein kinase;ILK;ortholog	non-receptor serine/threonine protein kinase(PC00167)
HUMAN HGNC=11085 UniProtKB=O75093	Slit homolog 1 protein;SLIT1;ortholog	
HUMAN HGNC=9885 UniProtKB=P29374	AT-rich interactive domain-containing protein 4A;ARID4A;ortholog	transcription cofactor(PC00217)
HUMAN HGNC=3964 UniProtKB=P01225	Follitropin subunit beta;FSHB;ortholog	peptide hormone(PC00179)
HUMAN HGNC=10542 UniProtKB=O95248	Myotubularin-related protein 5;SBF1;ortholog	phosphatase(PC00181)
HUMAN HGNC=33704 UniProtKB=Q66K66	Transmembrane protein 198;TMEM198;ortholog	
HUMAN HGNC=21689 UniProtKB=Q9Y3D6	Mitochondrial fission 1 protein;FIS1;ortholog	
HUMAN HGNC=9551 UniProtKB=P43686	26S proteasome regulatory subunit 6B;PSMC4;ortholog	protease(PC00190)
HUMAN HGNC=29513 UniProtKB=O60306	RNA helicase aquarius;AQR;ortholog	
HUMAN HGNC=25900 UniProtKB=Q9H425	Uncharacterized protein C1orf198;C1orf198;ortholog	
HUMAN HGNC=369 UniProtKB=Q9UKA4	A-kinase anchor protein 11;AKAP11;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=11442 UniProtKB=O15400	Syntaxin-7;STX7;ortholog	SNARE protein(PC00034)
HUMAN HGNC=5258 UniProtKB=P08238	Heat shock protein HSP 90-beta;HSP90AB1;ortholog	Hsp90 family chaperone(PC00028)
HUMAN HGNC=4226 UniProtKB=P31150	Rab GDP dissociation inhibitor alpha;GDI1;ortholog	G-protein modulator(PC00022)
HUMAN HGNC=11005 UniProtKB=P11166	Solute carrier family 2, facilitated glucose transporter member 1;SLC2A1;ortholog	
HUMAN HGNC=613 UniProtKB=P02649	Apolipoprotein E;APOE;ortholog	apolipoprotein(PC00052)
HUMAN HGNC=3250 UniProtKB=P47813	Eukaryotic translation initiation factor 1A, X-chromosomal;EIF1AX;ortholog	translation initiation factor(PC00224)
HUMAN Gene=HV108_HUMAN UniProtKB=PODP01	Immunoglobulin heavy variable 1-8;IGHV1-8;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=17234 UniProtKB=Q9BXX3	Ankyrin repeat domain-containing protein 30A;ANKRD30A;ortholog	
HUMAN HGNC=10074 UniProtKB=P13489	Ribonuclease inhibitor;RNH1;ortholog	
HUMAN HGNC=5046 UniProtKB=P52272	Heterogeneous nuclear ribonucleoprotein M;HNRNPM;ortholog	RNA splicing factor(PC00148)
HUMAN HGNC=12729 UniProtKB=P23381	Tryptophan--tRNA ligase, cytoplasmic;WARS1;ortholog	aminoacyl-tRNA synthetase(PC00047)

HUMAN HGNC=1243 UniProtKB=Q07021	Complement component 1 Q subcomponent-binding protein, mitochondrial;C1QBP;ortholog	
HUMAN HGNC=7544 UniProtKB=Q96S97	Myeloid-associated differentiation marker;MYADM;ortholog	
HUMAN HGNC=7060 UniProtKB=P08493	Matrix Gla protein;MGP;ortholog	
HUMAN HGNC=13633 UniProtKB=Q15848	Adiponectin;ADIPOQ;ortholog	
HUMAN HGNC=6703 UniProtKB=Q9Y608	Leucine-rich repeat flightless-interacting protein 2;LRRFIP2;ortholog	DNA-binding transcription factor(PC00218)
HUMAN HGNC=5598 UniProtKB=A0A0C4DH35	Probable non-functional immunoglobulin heavy variable 3-35;IGHV3-35;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=11828 UniProtKB=Q9UDY2	Tight junction protein ZO-2;TJP2;ortholog	tight junction(PC00214)
HUMAN HGNC=19176 UniProtKB=Q96DZ9	CKLF-like MARVEL transmembrane domain-containing protein 5;CMTM5;ortholog	membrane traffic protein(PC00150)
HUMAN HGNC=108 UniProtKB=P22303	Acetylcholinesterase;ACHE;ortholog	esterase(PC00097)
HUMAN HGNC=12635 UniProtKB=P46939	Utrophin;UTRN;ortholog	
HUMAN HGNC=9581 UniProtKB=Q9H939	Proline-serine-threonine phosphatase-interacting protein 2;PSTPIP2;ortholog	actin or actin-binding cytoskeletal protein(PC00041)
HUMAN HGNC=10381 UniProtKB=P04843	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 1;RPN1;ortholog	glycosyltransferase(PC00111)
HUMAN HGNC=5550 UniProtKB=P23083	Immunoglobulin heavy variable 1-2;IGHV1-2;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=25443 UniProtKB=Q9NSK7	Protein C19orf12;C19orf12;ortholog	
HUMAN HGNC=25842 UniProtKB=Q6UWX4	HHIP-like protein 2;HHIPL2;ortholog	protein-binding activity modulator(PC00095)
HUMAN HGNC=5634 UniProtKB=A0A075B7F0	Ig-like domain-containing protein;IGHV3OR16-10;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=5171 UniProtKB=P02790	Hemopexin;HPX;ortholog	metalloprotease(PC00153)
HUMAN HGNC=649 UniProtKB=P48444	Coatomer subunit delta;ARCN1;ortholog	vesicle coat protein(PC00235)
HUMAN HGNC=6541 UniProtKB=P07195	L-lactate dehydrogenase B chain;LDHB;ortholog	dehydrogenase(PC00092)
HUMAN HGNC=2232 UniProtKB=P35606	Coatomer subunit beta';COPB2;ortholog	vesicle coat protein(PC00235)
HUMAN HGNC=2188 UniProtKB=Q99715	Collagen alpha-1(XII) chain;COL12A1;ortholog	extracellular matrix structural protein(PC00103)
HUMAN HGNC=12491 UniProtKB=P61081	NEDD8-conjugating enzyme Ubc12;UBE2M;ortholog	ubiquitin-protein ligase(PC00234)
HUMAN HGNC=9302 UniProtKB=P30153	Serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A alpha isoform;PPP2R1A;ortholog	phosphatase modulator(PC00184)
HUMAN HGNC=2367 UniProtKB=P02741	C-reactive protein;CRP;ortholog	
HUMAN HGNC=9071 UniProtKB=P00747	Plasminogen;PLG;ortholog	serine protease(PC00203)
HUMAN HGNC=3482 UniProtKB=P38117	Electron transfer flavoprotein subunit beta;ETFB;ortholog	oxidoreductase(PC00176)



HUMAN HGNC=30167 UniProtKB=P13667	Protein disulfide-isomerase A4;PDIA4;ortholog	chaperone(PC00072)
HUMAN HGNC=20778 UniProtKB=P07437	Tubulin beta chain;TUBB;ortholog	tubulin(PC00228)
HUMAN HGNC=26853 UniProtKB=Q8N7Z5	Ankyrin repeat domain-containing protein 31;ANKRD31;ortholog	extracellular matrix structural protein(PC00103)
HUMAN HGNC=2209 UniProtKB=P20908	Collagen alpha-1(V) chain;COL5A1;ortholog	
HUMAN HGNC=21539 UniProtKB=Q9BX46	RNA-binding protein 24;RBM24;ortholog	
HUMAN HGNC=5575 UniProtKB=A0A0B4J1V2	Immunoglobulin heavy variable 2-26;IGHV2-26;ortholog	immunoglobulin(PC00123) non-receptor
HUMAN HGNC=12347 UniProtKB=Q9Y4A5	Transformation/transcription domain-associated protein;TRRAP;ortholog	serine/threonine protein kinase(PC00167)
HUMAN HGNC=5655 UniProtKB=A0A0C4DH41	Immunoglobulin heavy variable 4-61;IGHV4-61;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=5856 UniProtKB=P0DOY2	Immunoglobulin lambda constant 2;IGLC2;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=24822 UniProtKB=Q9H479	Fructosamine-3-kinase;FN3K;ortholog	kinase(PC00137)
HUMAN HGNC=15474 UniProtKB=Q9Y566	SH3 and multiple ankyrin repeat domains protein 1;SHANK1;ortholog	
HUMAN HGNC=17468 UniProtKB=Q96HC4	PDZ and LIM domain protein 5;PDLIM5;ortholog	actin or actin-binding cytoskeletal protein(PC00041)
HUMAN HGNC=5898 UniProtKB=A0A075B6K2	Immunoglobulin lambda variable 3-12;IGLV3-12;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=12601 UniProtKB=O75445	Usherin;USH2A;ortholog	extracellular matrix protein(PC00102)
HUMAN HGNC=8087 UniProtKB=P29728	2'-5'-oligoadenylate synthase 2;OAS2;ortholog	nucleotidyltransferase(PC00174)
HUMAN HGNC=169 UniProtKB=P61160	Actin-related protein 2;ACTR2;ortholog	actin and actin related protein(PC00039)
HUMAN HGNC=20250 UniProtKB=Q96IF1	LIM domain-containing protein ajuba;AJUBA;ortholog	transcription cofactor(PC00217)
HUMAN HGNC=27937 UniProtKB=Q6ZVH7	Espin-like protein;ESPNL;ortholog	non-motor actin binding protein(PC00165)
HUMAN HGNC=1093 UniProtKB=P07738	Bisphosphoglycerate mutase;BPGM;ortholog	mutase(PC00160)
HUMAN HGNC=29884 UniProtKB=Q8TF42	Ubiquitin-associated and SH3 domain-containing protein B;UBASH3B;ortholog	
HUMAN HGNC=9392 UniProtKB=P31323	cAMP-dependent protein kinase type II-beta regulatory subunit;PRKAR2B;ortholog	kinase modulator(PC00140)
HUMAN HGNC=4890 UniProtKB=P36980	Complement factor H-related protein 2;CFHR2;ortholog	
HUMAN HGNC=9782 UniProtKB=P61018	Ras-related protein Rab-4B;RAB4B;ortholog	
HUMAN HGNC=15487 UniProtKB=Q9H3N1	Thioredoxin-related transmembrane protein 1;TMX1;ortholog	
HUMAN HGNC=1406 UniProtKB=Q9Y698	Voltage-dependent calcium channel gamma-2 subunit;CACNG2;ortholog	voltage-gated ion channel(PC00241)

HUMAN HGNC=5253 UniProtKB=P07900	Heat shock protein HSP 90-alpha;HSP90AA1;ortholog	Hsp90 family chaperone(PC00028)
HUMAN HGNC=30688 UniProtKB=Q86VP6	Cullin-associated NEDD8-dissociated protein 1;CAND1;ortholog	ubiquitin-protein ligase(PC00234)
HUMAN HGNC=17292 UniProtKB=Q8IWA5	Choline transporter-like protein 2;SLC44A2;ortholog	secondary carrier transporter(PC00258)
HUMAN HGNC=8738 UniProtKB=Q15113	Procollagen C-endopeptidase enhancer 1;PCOLCE;ortholog	serine protease(PC00203)
HUMAN HGNC=122 UniProtKB=P24666	Low molecular weight phosphotyrosine protein phosphatase;ACP1;ortholog	protein phosphatase(PC00195)
HUMAN HGNC=30168 UniProtKB=Q15084	Protein disulfide-isomerase A6;PDIA6;ortholog	chaperone(PC00072)
HUMAN HGNC=8824 UniProtKB=P36955	Pigment epithelium-derived factor;SERPINF1;ortholog	protease inhibitor(PC00191)
HUMAN HGNC=3750 UniProtKB=Q13045	Protein flightless-1 homolog;FLII;ortholog	non-motor actin binding protein(PC00165)
HUMAN HGNC=16257 UniProtKB=Q9H4B7	Tubulin beta-1 chain;TUBB1;ortholog	tubulin(PC00228)
HUMAN HGNC=7803 UniProtKB=Q12986	Transcriptional repressor NF-X1;NFX1;ortholog	zinc finger transcription factor(PC00244)
HUMAN HGNC=17103 UniProtKB=Q9Y5L0	Transportin-3;TNPO3;ortholog	transporter(PC00227)
HUMAN HGNC=19974 UniProtKB=Q8IUC4	Rhophilin-2;RHPN2;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=1690 UniProtKB=O43866	CD5 antigen-like;CD5L;ortholog	
HUMAN HGNC=17970 UniProtKB=Q9BPZ3	Polyadenylate-binding protein-interacting protein 2;PAIP2;ortholog	
HUMAN HGNC=333 UniProtKB=P01019	Angiotensinogen;AGT;ortholog	protease inhibitor(PC00191)
HUMAN HGNC=121 UniProtKB=O15254	Peroxisomal acyl-coenzyme A oxidase 3;ACOX3;ortholog	oxidoreductase(PC00176)
HUMAN HGNC=30550 UniProtKB=O60337	E3 ubiquitin-protein ligase MARCHF6;MARCHF6;ortholog	ubiquitin-protein ligase(PC00234)
HUMAN HGNC=29480 UniProtKB=P02750	Leucine-rich alpha-2-glycoprotein;LRG1;ortholog	
HUMAN HGNC=28164 UniProtKB=Q96M27	Protein PRRC1;PRRC1;ortholog	
HUMAN HGNC=4398 UniProtKB=P62879	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-2;GNB2;ortholog	heterotrimeric G-protein(PC00117)
HUMAN HGNC=13531 UniProtKB=Q9Y2Q0	Phospholipid-transporting ATPase IA;ATP8A1;ortholog	primary active transporter(PC00068)
HUMAN HGNC=1455 UniProtKB=P27797	Calreticulin;CALR;ortholog	chaperone(PC00072)
HUMAN HGNC=2898 UniProtKB=P09622	Dihydrolipoyl dehydrogenase, mitochondrial;DLD;ortholog	oxidoreductase(PC00176)
HUMAN HGNC=18233 UniProtKB=Q8NDB2	B-cell scaffold protein with ankyrin repeats;BANK1;ortholog	
HUMAN HGNC=20589 UniProtKB=Q9P0J7	E3 ubiquitin-protein ligase KCMF1;KCMF1;ortholog	ubiquitin-protein ligase(PC00234)
HUMAN HGNC=2239 UniProtKB=Q9UNS2	COP9 signalosome complex subunit 3;COPS3;ortholog	protease(PC00190)
HUMAN HGNC=23112 UniProtKB=Q8TDW7	Protocadherin Fat 3;FAT3;ortholog	cadherin(PC00057)

HUMAN HGNC=1704 UniProtKB=Q9UIB8	SLAM family member 5;CD84;ortholog	immunoglobulin receptor superfamily(PC00124)
HUMAN HGNC=15720 UniProtKB=Q13033	Striatin-3;STRN3;ortholog	
HUMAN HGNC=9317 UniProtKB=P63098	Calcineurin subunit B type 1;PPP3R1;ortholog	
HUMAN HGNC=5478 UniProtKB=P01876	Immunoglobulin heavy constant alpha 1;IGHA1;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=28920 UniProtKB=Q5SW79	Centrosomal protein of 170 kDa;CEP170;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=2288 UniProtKB=P14406	Cytochrome c oxidase subunit 7A2, mitochondrial;COX7A2;ortholog	oxidase(PC00175)
HUMAN HGNC=19162 UniProtKB=Q9P2P6	StAR-related lipid transfer protein 9;STARD9;ortholog	
HUMAN HGNC=16998 UniProtKB=P49755	Transmembrane emp24 domain-containing protein 10;TMED10;ortholog	vesicle coat protein(PC00235)
HUMAN HGNC=9857 UniProtKB=P61224	Ras-related protein Rap-1b;RAP1B;ortholog	small GTPase(PC00208)
HUMAN HGNC=11937 UniProtKB=P32970	CD70 antigen;CD70;ortholog	
HUMAN HGNC=7863 UniProtKB=Q13423	NAD(P) transhydrogenase, mitochondrial;NNT;ortholog	dehydrogenase(PC00092)
HUMAN HGNC=29219 UniProtKB=Q6ZU35	Capping protein inhibiting regulator of actin dynamics;CRACD;ortholog	
HUMAN HGNC=363 UniProtKB=P27144	Adenylate kinase 4, mitochondrial;AK4;ortholog	nucleotide kinase(PC00172)
HUMAN HGNC=12203 UniProtKB=A0A075B6N3	T cell receptor beta variable 24-1;TRBV24-1;ortholog	
HUMAN HGNC=4141 UniProtKB=P04406	Glyceraldehyde-3-phosphate dehydrogenase;GAPDH;ortholog	dehydrogenase(PC00092)
HUMAN HGNC=1373 UniProtKB=P00918	Carbonic anhydrase 2;CA2;ortholog	
HUMAN HGNC=1553 UniProtKB=Q13185	Chromobox protein homolog 3;CBX3;ortholog	
HUMAN HGNC=18874 UniProtKB=O43561	Linker for activation of T-cells family member 1;LAT;ortholog	
HUMAN HGNC=29374 UniProtKB=Q76N11	Kinase non-catalytic C-lobe domain-containing protein 1;KNDC1;ortholog	guanyl-nucleotide exchange factor(PC00113)
HUMAN Gene=SEP15 UniProtKB=O60613	Selenoprotein F;SELENOF;ortholog	
HUMAN HGNC=8862 UniProtKB=P10720	Platelet factor 4 variant;PF4V1;ortholog	chemokine(PC00074)
HUMAN HGNC=17643 UniProtKB=Q9HD26	Golgi-associated PDZ and coiled-coil motif-containing protein;GOPC;ortholog	membrane traffic protein(PC00150)
HUMAN HGNC=8647 UniProtKB=Q15365	Poly(rC)-binding protein 1;PCBP1;ortholog	RNA metabolism protein(PC00031)
HUMAN HGNC=20100 UniProtKB=A0A1B0GTZ2	Putative coiled-coil domain-containing protein 196;CCDC196;ortholog	
HUMAN HGNC=17089 UniProtKB=Q8NF91	Nesprin-1;SYNE1;ortholog	
HUMAN HGNC=7326 UniProtKB=P20585	DNA mismatch repair protein Msh3;MSH3;ortholog	DNA metabolism protein(PC00009)
HUMAN HGNC=26951 UniProtKB=Q86YL5	Testis development-related protein;TDRP;ortholog	

HUMAN HGNC=2593 UniProtKB=P05093	Steroid 17-alpha-hydroxylase/17,20 lyase;CYP17A1;ortholog	
HUMAN HGNC=8941 UniProtKB=P01009	Alpha-1-antitrypsin;SERPINA1;ortholog	protease inhibitor(PC00191)
HUMAN HGNC=1736 UniProtKB=P60953	Cell division control protein 42 homolog;CDC42;ortholog	small GTPase(PC00208)
HUMAN HGNC=12013 UniProtKB=P67936	Tropomyosin alpha-4 chain;TPM4;ortholog	actin binding motor protein(PC00040)
HUMAN HGNC=8878 UniProtKB=Q01813	ATP-dependent 6-phosphofructokinase, platelet type;PFKP;ortholog	carbohydrate kinase(PC00065)
HUMAN HGNC=5237 UniProtKB=P34932	Heat shock 70 kDa protein 4;HSPA4;ortholog	
HUMAN HGNC=533 UniProtKB=P04083	Annexin A1;ANXA1;ortholog	calcium-binding protein(PC00060)
HUMAN HGNC=21073 UniProtKB=Q8NBS9	Thioredoxin domain-containing protein 5;TXNDC5;ortholog	chaperone(PC00072)
HUMAN HGNC=5927 UniProtKB=P01721	Immunoglobulin lambda variable 6-57;IGLV6-57;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=14247 UniProtKB=O75964	ATP synthase subunit g, mitochondrial;ATP5MG;ortholog	ATP synthase(PC00002)
HUMAN HGNC=8583 UniProtKB=P05121	Plasminogen activator inhibitor 1;SERPINE1;ortholog	protease inhibitor(PC00191)
HUMAN HGNC=1117 UniProtKB=Q9UPA5	Protein bassoon;BSN;ortholog	
HUMAN HGNC=10447 UniProtKB=P10301	Ras-related protein R-Ras;RRAS;ortholog	small GTPase(PC00208)
HUMAN HGNC=5582 UniProtKB=A0A0B4J1V0	Immunoglobulin heavy variable 3-15;IGHV3-15;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=9364 UniProtKB=Q92954	Proteoglycan 4;PRG4;ortholog	
HUMAN HGNC=11319 UniProtKB=P28290	Protein ITPRID2;ITPRID2;ortholog	
HUMAN HGNC=2252 UniProtKB=P31146	Coronin-1A;CORO1A;ortholog	non-motor actin binding protein(PC00165)
HUMAN HGNC=12738 UniProtKB=Q969T9	WW domain-binding protein 2;WBP2;ortholog	
HUMAN HGNC=5730 UniProtKB=A0A0C4DH73	Immunoglobulin kappa variable 1-12;IGKV1-12;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=5466 UniProtKB=P01344	Insulin-like growth factor II;IGF2;ortholog	growth factor(PC00112)
HUMAN HGNC=16948 UniProtKB=Q969H8	Myeloid-derived growth factor;MYDGF;ortholog	growth factor(PC00112)
HUMAN HGNC=5918 UniProtKB=A0A075B6K5	Immunoglobulin lambda variable 3-9;IGLV3-9;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=26340 UniProtKB=Q32M84	BTB/POZ domain-containing protein 16;BTBD16;ortholog	
HUMAN HGNC=6461 UniProtKB=Q9NSB2	Keratin, type II cuticular Hb4;KRT84;ortholog	
HUMAN HGNC=24552 UniProtKB=Q3LXA3	Triokinase/FMN cyclase;TKFC;ortholog	cyclase(PC00079)
HUMAN HGNC=29380 UniProtKB=Q96ME7	Zinc finger protein 512;ZNF512;ortholog	
HUMAN HGNC=16643 UniProtKB=Q14BN4	Sarcolemmal membrane-associated protein;SLMAP;ortholog	scaffold/adaptor protein(PC00226)

HUMAN HGNC=913 UniProtKB=P20160	Azurocidin;AZU1;ortholog	serine protease(PC00203)
HUMAN HGNC=2695 UniProtKB=Q16643	Drebrin;DBN1;ortholog	non-motor actin binding protein(PC00165)
HUMAN HGNC=4393 UniProtKB=P11488	Guanine nucleotide-binding protein G(t) subunit alpha-1;GNAT1;ortholog	heterotrimeric G-protein(PC00117)
HUMAN HGNC=4888 UniProtKB=Q03591	Complement factor H-related protein 1;CFHR1;ortholog	
HUMAN HGNC=2712 UniProtKB=Q13561	Dynactin subunit 2;DCTN2;ortholog	microtubule binding motor protein(PC00156)
HUMAN HGNC=7218 UniProtKB=P05164	Myeloperoxidase;MPO;ortholog	peroxidase(PC00180)
HUMAN Gene=KV311_HUMAN UniProtKB=P04433	Immunoglobulin kappa variable 3-11;IGKV3-11;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=1663 UniProtKB=P16671	Platelet glycoprotein 4;CD36;ortholog	membrane trafficking regulatory protein(PC00151)
HUMAN HGNC=21295 UniProtKB=Q8TE68	Epidermal growth factor receptor kinase substrate 8-like protein 1;EPS8L1;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=8710 UniProtKB=Q9Y5G1	Protocadherin gamma-B3;PCDHGB3;ortholog	cadherin(PC00057)
HUMAN HGNC=3551 UniProtKB=P00740	Coagulation factor IX;F9;ortholog	serine protease(PC00203)
HUMAN HGNC=16272 UniProtKB=Q96JK9	Mastermind-like protein 3;MAML3;ortholog	transcription cofactor(PC00217)
HUMAN HGNC=10898 UniProtKB=Q15477	Helicase SKI2W;SKIV2L;ortholog	DNA metabolism protein(PC00009)
HUMAN HGNC=19860 UniProtKB=Q8NCU1	Uncharacterized protein CCDC197;CCDC197;ortholog	
HUMAN HGNC=26068 UniProtKB=Q6IAA8	Ragulator complex protein LAMTOR1;LAMTOR1;ortholog	
HUMAN HGNC=10432 UniProtKB=P51812	Ribosomal protein S6 kinase alpha-3;RPS6KA3;ortholog	protein modifying enzyme(PC00260)
HUMAN HGNC=5929 UniProtKB=P04211	Immunoglobulin lambda variable 7-43;IGLV7-43;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=8993 UniProtKB=P12273	Prolactin-inducible protein;PIP;ortholog	
HUMAN HGNC=30140 UniProtKB=A7MCY6	TANK-binding kinase 1-binding protein 1;TBKBP1;ortholog	
HUMAN HGNC=17859 UniProtKB=Q5SRE5	Nucleoporin NUP188 homolog;NUP188;ortholog	
HUMAN HGNC=1623 UniProtKB=P50990	T-complex protein 1 subunit theta;CCT8;ortholog	chaperonin(PC00073)
HUMAN HGNC=6416 UniProtKB=P02533	Keratin, type I cytoskeletal 14;KRT14;ortholog	
HUMAN HGNC=21726 UniProtKB=Q96PE2	Rho guanine nucleotide exchange factor 17;ARHGEF17;ortholog	guanyl-nucleotide exchange factor(PC00113)
HUMAN HGNC=692 UniProtKB=P40616	ADP-ribosylation factor-like protein 1;ARL1;ortholog	G-protein(PC00020)
HUMAN HGNC=5743 UniProtKB=A0A0C4DH67	Immunoglobulin kappa variable 1-8;IGKV1-8;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=3285 UniProtKB=P23588	Eukaryotic translation initiation factor 4B;EIF4B;ortholog	translation initiation factor(PC00224)

HUMAN HGNC=23117 UniProtKB=Q6UWF7	NXPE family member 4;NXPE4;ortholog	
HUMAN HGNC=15687 UniProtKB=O75563	Src kinase-associated phosphoprotein 2;SKAP2;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=9565 UniProtKB=P51665	26S proteasome non-ATPase regulatory subunit 7;PSMD7;ortholog	translation initiation factor(PC00224)
HUMAN HGNC=6925 UniProtKB=P02686	Myelin basic protein;MBP;ortholog	myelin protein(PC00161)
HUMAN HGNC=11446 UniProtKB=O00186	Syntaxin-binding protein 3;STXBP3;ortholog	membrane trafficking regulatory protein(PC00151)
HUMAN HGNC=20165 UniProtKB=Q9P2P1	Protein NYNRIN;NYNRIN;ortholog	endoribonuclease(PC00094)
HUMAN HGNC=20514 UniProtKB=Q8N257	Histone H2B type 3-B;H2BU1;ortholog	histone(PC00118)
HUMAN HGNC=14111 UniProtKB=Q9HC38	Glyoxalase domain-containing protein 4;GLOD4;ortholog	
HUMAN HGNC=2300 UniProtKB=Q96IY4	Carboxypeptidase B2;CPB2;ortholog	metalloprotease(PC00153)
HUMAN HGNC=3481 UniProtKB=P13804	Electron transfer flavoprotein subunit alpha, mitochondrial;ETFa;ortholog	oxidoreductase(PC00176)
HUMAN HGNC=4390 UniProtKB=P50148	Guanine nucleotide-binding protein G(q) subunit alpha;GNAQ;ortholog	heterotrimeric G-protein(PC00117)
HUMAN HGNC=3230 UniProtKB=Q9NYQ7	Cadherin EGF LAG seven-pass G-type receptor 3;CELSR3;ortholog	cadherin(PC00057)
HUMAN HGNC=5617 UniProtKB=A0A075B6Q5	Immunoglobulin heavy variable 3-64;IGHV3-64;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=12022 UniProtKB=P13693	Translationally-controlled tumor protein;TPT1;ortholog	non-motor microtubule binding protein(PC00166)
HUMAN HGNC=16075 UniProtKB=Q9H082	Ras-related protein Rab-33B;RAB33B;ortholog	
HUMAN HGNC=3537 UniProtKB=P25116	Proteinase-activated receptor 1;F2R;ortholog	G-protein coupled receptor(PC00021)
HUMAN HGNC=15818 UniProtKB=Q9H0Z9	RNA-binding protein 38;RBM38;ortholog	
HUMAN HGNC=8575 UniProtKB=P68402	Platelet-activating factor acetylhydrolase IB subunit beta;PAFAH1B2;ortholog	protein modifying enzyme(PC00260)
HUMAN HGNC=5604 UniProtKB=A0A0B4J1X8	Immunoglobulin heavy variable 3-43;IGHV3-43;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=14683 UniProtKB=Q9Y2G5	GDP-fucose protein O-fucosyltransferase 2;POFUT2;ortholog	glycosyltransferase(PC00111)
HUMAN HGNC=30535 UniProtKB=Q8WVJ2	NudC domain-containing protein 2;NUDCD2;ortholog	microtubule or microtubule-binding cytoskeletal protein(PC00157)
HUMAN HGNC=29158 UniProtKB=Q9Y2G9	Protein strawberry notch homolog 2;SBNO2;ortholog	
HUMAN HGNC=1618 UniProtKB=P48643	T-complex protein 1 subunit epsilon;CCT5;ortholog	chaperonin(PC00073)
HUMAN HGNC=9750 UniProtKB=P20742	Pregnancy zone protein;PZP;ortholog	protease inhibitor(PC00191)
HUMAN HGNC=620 UniProtKB=P05067	Amyloid-beta precursor protein;APP;ortholog	protease inhibitor(PC00191)

HUMAN HGNC=1173 UniProtKB=Q5H9R7	Serine/threonine-protein phosphatase 6 regulatory subunit 3;PPP6R3;ortholog	phosphatase modulator(PC00184)
HUMAN HGNC=9353 UniProtKB=P32119	Peroxiredoxin-2;PRDX2;ortholog	peroxidase(PC00180)
HUMAN HGNC=4234 UniProtKB=P55040	GTP-binding protein GEM;GEM;ortholog	
HUMAN HGNC=11594 UniProtKB=Q96SF7	T-box transcription factor TBX15;TBX15;ortholog	Rel homology transcription factor(PC00252)
HUMAN HGNC=7665 UniProtKB=O43639	Cytoplasmic protein NCK2;NCK2;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=15902 UniProtKB=Q8IXH8	Cadherin-like protein 26;CDH26;ortholog	cadherin(PC00057)
HUMAN HGNC=19983 UniProtKB=Q86YS6	Ras-related protein Rab-43;RAB43;ortholog	
HUMAN HGNC=5931 UniProtKB=A0A075B6I0	Immunoglobulin lambda variable 8-61;IGLV8-61;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=1062 UniProtKB=P53004	Biliverdin reductase A;BLVRA;ortholog	dehydrogenase(PC00092)
HUMAN HGNC=7642 UniProtKB=Q99747	Gamma-soluble NSF attachment protein;NAPG;ortholog	membrane traffic protein(PC00150)
HUMAN HGNC=21354 UniProtKB=Q86XR7	TIR domain-containing adapter molecule 2;TICAM2;ortholog	vesicle coat protein(PC00235)
HUMAN HGNC=25573 UniProtKB=Q8IYD2	Kelch domain-containing protein 8A;KLHDC8A;ortholog	
HUMAN HGNC=23410 UniProtKB=Q969X1	Protein lifeguard 3;TM6IM1;ortholog	
HUMAN HGNC=11429 UniProtKB=O75558	Syntaxin-11;STX11;ortholog	SNARE protein(PC00034)
HUMAN HGNC=6400 UniProtKB=Q14974	Importin subunit beta-1;KPNB1;ortholog	transporter(PC00227)
HUMAN HGNC=4622 UniProtKB=Q8IYD1	Eukaryotic peptide chain release factor GTP-binding subunit ERF3B;GSPT2;ortholog	translation factor(PC00223)
HUMAN HGNC=25135 UniProtKB=Q6UWE0	E3 ubiquitin-protein ligase LRSAM1;LRSAM1;ortholog	
HUMAN HGNC=6564 UniProtKB=Q08380	Galectin-3-binding protein;LGALS3BP;ortholog	
HUMAN HGNC=851 UniProtKB=P38606	V-type proton ATPase catalytic subunit A;ATP6V1A;ortholog	ATP synthase(PC00002)
HUMAN HGNC=1318 UniProtKB=P01024	Complement C3;C3;ortholog	protease inhibitor(PC00191)
HUMAN HGNC=16391 UniProtKB=Q9H257	Caspase recruitment domain-containing protein 9;CARD9;ortholog	
HUMAN HGNC=15842 UniProtKB=Q96RT1	Erbin;ERBIN;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=25272 UniProtKB=Q8TBB5	Kelch domain-containing protein 4;KLHDC4;ortholog	
HUMAN Gene=EIF2S3L UniProtKB=Q2VIR3	Eukaryotic translation initiation factor 2 subunit 3B;EIF2S3B;ortholog	translation initiation factor(PC00224)
HUMAN HGNC=14451 UniProtKB=Q9BQK8	Phosphatidate phosphatase LPIN3;LPIN3;ortholog	
HUMAN HGNC=5145 UniProtKB=P37235	Hippocalcin-like protein 1;HPCAL1;ortholog	
HUMAN HGNC=24254 UniProtKB=Q96CN7	Isochorismatase domain-containing protein 1;ISOC1;ortholog	hydrolase(PC00121)

HUMAN HGNC=2253 UniProtKB=Q9BR76	Coronin-1B;CORO1B;ortholog	non-motor actin binding protein(PC00165)
HUMAN HGNC=16925 UniProtKB=Q96P48	Arf-GAP with Rho-GAP domain, ANK repeat and PH domain-containing protein 1;ARAP1;ortholog	GTPase-activating protein(PC00257)
HUMAN HGNC=3423 UniProtKB=P11678	Eosinophil peroxidase;EPX;ortholog	peroxidase(PC00180)
HUMAN HGNC=1133 UniProtKB=Q06187	Tyrosine-protein kinase BTK;BTK;ortholog	
HUMAN HGNC=9075 UniProtKB=P08697	Alpha-2-antiplasmin;SERPINF2;ortholog	protease inhibitor(PC00191)
HUMAN HGNC=17177 UniProtKB=Q8IUI8	Cytokine receptor-like factor 3;CRLF3;ortholog	DNA metabolism protein(PC00009)
HUMAN HGNC=11756 UniProtKB=Q03403	Trefoil factor 2;TFF2;ortholog	intercellular signal molecule(PC00207)
HUMAN HGNC=5880 UniProtKB=P01700	Immunoglobulin lambda variable 1-47;IGLV1-47;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=6444 UniProtKB=P04259	Keratin, type II cytoskeletal 6B;KRT6B;ortholog	
HUMAN HGNC=17904 UniProtKB=Q9NRR4	Ribonuclease 3;DROSHA;ortholog	endoribonuclease(PC00094)
HUMAN HGNC=39025 UniProtKB=Q9QC07	Endogenous retrovirus group K member 18 Pol protein;ERVK-18;ortholog	viral or transposable element protein(PC00237)
HUMAN HGNC=23594 UniProtKB=Q709C8	Vacuolar protein sorting-associated protein 13C;VPS13C;ortholog	membrane traffic protein(PC00150)
HUMAN HGNC=453 UniProtKB=P02760	Protein AMBP;AMBP;ortholog	
HUMAN HGNC=10305 UniProtKB=P50914	60S ribosomal protein L14;RPL14;ortholog	ribosomal protein(PC00202)
HUMAN HGNC=4433 UniProtKB=P00505	Aspartate aminotransferase, mitochondrial;GOT2;ortholog	transaminase(PC00216)
HUMAN HGNC=19100 UniProtKB=Q5VWK5	Interleukin-23 receptor;IL23R;ortholog	transmembrane signal receptor(PC00197)
HUMAN HGNC=25268 UniProtKB=Q96LR9	Apolipoprotein L domain-containing protein 1;APOLD1;ortholog	apolipoprotein(PC00052)
HUMAN HGNC=163 UniProtKB=P12814	Alpha-actinin-1;ACTN1;ortholog	
HUMAN HGNC=3542 UniProtKB=P12259	Coagulation factor V;F5;ortholog	oxidoreductase(PC00176)
HUMAN HGNC=18370 UniProtKB=Q9H0U4	Ras-related protein Rab-1B;RAB1B;ortholog	
HUMAN HGNC=21213 UniProtKB=Q5TH69	Brefeldin A-inhibited guanine nucleotide-exchange protein 3;ARFGEF3;ortholog	guanyl-nucleotide exchange factor(PC00113)
HUMAN HGNC=10385 UniProtKB=P25398	40S ribosomal protein S12;RPS12;ortholog	ribosomal protein(PC00202)
HUMAN HGNC=3311 UniProtKB=P30740	Leukocyte elastase inhibitor;SERPINB1;ortholog	protease inhibitor(PC00191)
HUMAN HGNC=6840 UniProtKB=Q02750	Dual specificity mitogen-activated protein kinase 1;MAP2K1;ortholog	non-receptor serine/threonine protein kinase(PC00167)
HUMAN HGNC=4045 UniProtKB=O75084	Frizzled-7;FZD7;ortholog	transmembrane signal receptor(PC00197)
HUMAN HGNC=17712 UniProtKB=O15304	Apoptosis regulatory protein Siva;SIVA1;ortholog	



HUMAN HGNC=13726 UniProtKB=Q8NEZ4	Histone-lysine N-methyltransferase 2C;KMT2C;ortholog	
HUMAN HGNC=7910 UniProtKB=P06748	Nucleophosmin;NPM1;ortholog	chaperone(PC00072)
HUMAN HGNC=14871 UniProtKB=Q96A00	Protein phosphatase 1 regulatory subunit 14A;PPP1R14A;ortholog	phosphatase modulator(PC00184)
HUMAN HGNC=9840 UniProtKB=P11234	Ras-related protein Ral-B;RALB;ortholog	small GTPase(PC00208)
HUMAN HGNC=24550 UniProtKB=Q9H8H3	Methyltransferase-like protein 7A;METTL7A;ortholog	methyltransferase(PC00155)
HUMAN HGNC=1622 UniProtKB=Q99832	T-complex protein 1 subunit eta;CCT7;ortholog	chaperonin(PC00073)
HUMAN HGNC=11881 UniProtKB=P62328	Thymosin beta-4;TMSB4X;ortholog	
HUMAN HGNC=3331 UniProtKB=P50402	Emerin;EMD;ortholog	
HUMAN HGNC=11845 UniProtKB=Q9Y490	Talin-1;TLN1;ortholog	
HUMAN HGNC=11119 UniProtKB=Q99835	Smoothened homolog;SMO;ortholog	transmembrane signal receptor(PC00197)
HUMAN HGNC=16961 UniProtKB=Q15762	CD226 antigen;CD226;ortholog	
HUMAN HGNC=6401 UniProtKB=Q92973	Transportin-1;TNPO1;ortholog	transporter(PC00227)
HUMAN HGNC=11275 UniProtKB=Q01082	Spectrin beta chain, non-erythrocytic 1;SPTBN1;ortholog	
HUMAN HGNC=2295 UniProtKB=P00450	Ceruloplasmin;CP;ortholog	oxidase(PC00175)
HUMAN HGNC=10382 UniProtKB=P04844	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 2;RPN2;ortholog	glycosyltransferase(PC00111)
HUMAN HGNC=1441 UniProtKB=Q05682	Caldesmon;CALD1;ortholog	non-motor actin binding protein(PC00165)
HUMAN HGNC=10594 UniProtKB=Q01118	Sodium channel protein type 7 subunit alpha;SCN7A;ortholog	voltage-gated ion channel(PC00241)
HUMAN HGNC=12851 UniProtKB=P62258	14-3-3 protein epsilon;YWHAE;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=6138 UniProtKB=P08514	Integrin alpha-IIb;ITGA2B;ortholog	integrin(PC00126)
HUMAN HGNC=9879 UniProtKB=Q7LDG7	RAS guanyl-releasing protein 2;RASGRP2;ortholog	guanyl-nucleotide exchange factor(PC00113)
HUMAN HGNC=4187 UniProtKB=P02774	Vitamin D-binding protein;GC;ortholog	transfer/carrier protein(PC00219)
HUMAN HGNC=469 UniProtKB=Q01433	AMP deaminase 2;AMPD2;ortholog	deaminase(PC00088)
HUMAN HGNC=4755 UniProtKB=Q93079	Histone H2B type 1-H;H2BC9;ortholog	histone(PC00118)
HUMAN HGNC=15461 UniProtKB=P55145	Mesencephalic astrocyte-derived neurotrophic factor;MANF;ortholog	
HUMAN HGNC=12726 UniProtKB=P04275	von Willebrand factor;VWF;ortholog	extracellular matrix protein(PC00102)
HUMAN HGNC=8784 UniProtKB=O76074	cGMP-specific 3',5'-cyclic phosphodiesterase;PDE5A;ortholog	phosphodiesterase(PC00185)

HUMAN HGNC=9381 UniProtKB=P22694	cAMP-dependent protein kinase catalytic subunit beta;PRKACB;ortholog	non-receptor serine/threonine protein kinase(PC00167)
HUMAN HGNC=4606 UniProtKB=P30101	Protein disulfide-isomerase A3;PDIA3;ortholog	chaperone(PC00072)
HUMAN HGNC=15476 UniProtKB=P63167	Dynein light chain 1, cytoplasmic;DYNLL1;ortholog	microtubule or microtubule-binding cytoskeletal protein(PC00157)
HUMAN HGNC=9540 UniProtKB=P49720	Proteasome subunit beta type-3;PSMB3;ortholog	protease(PC00190)
HUMAN HGNC=13506 UniProtKB=Q8TBJ5	Fez family zinc finger protein 2;FEZF2;ortholog	C2H2 zinc finger transcription factor(PC00248)
HUMAN HGNC=2951 UniProtKB=Q9C0G6	Dynein heavy chain 6, axonemal;DNAH6;ortholog	microtubule binding motor protein(PC00156)
HUMAN HGNC=4248 UniProtKB=Q92820	Gamma-glutamyl hydrolase;GGH;ortholog	cysteine protease(PC00081)
HUMAN HGNC=14952 UniProtKB=Q8TAE6	Protein phosphatase 1 regulatory subunit 14C;PPP1R14C;ortholog	phosphatase modulator(PC00184)
HUMAN HGNC=3611 UniProtKB=P30273	High affinity immunoglobulin epsilon receptor subunit gamma;FCER1G;ortholog	immunoglobulin receptor superfamily(PC00124)
HUMAN HGNC=17772 UniProtKB=Q99757	Thioredoxin, mitochondrial;TXN2;ortholog	oxidoreductase(PC00176)
HUMAN HGNC=7237 UniProtKB=Q9Y6F6	Inositol 1,4,5-triphosphate receptor associated 1;IRAG1;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=3151 UniProtKB=P30084	Enoyl-CoA hydratase, mitochondrial;ECHS1;ortholog	hydratase(PC00120)
HUMAN HGNC=4750 UniProtKB=Q99879	Histone H2B type 1-M;H2BC14;ortholog	histone(PC00118)
HUMAN HGNC=15855 UniProtKB=Q9NPY3	Complement component C1q receptor;CD93;ortholog	extracellular matrix structural protein(PC00103)
HUMAN HGNC=1122 UniProtKB=P43251	Biotinidase;BTD;ortholog	hydrolase(PC00121)
HUMAN HGNC=414 UniProtKB=P04075	Fructose-bisphosphate aldolase A;ALDOA;ortholog	aldolase(PC00044)
HUMAN HGNC=5746 UniProtKB=P01611	Immunoglobulin kappa variable 1D-12;IGKV1D-12;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=19312 UniProtKB=Q56P03	E2F-associated phosphoprotein;EAPP;ortholog	
HUMAN HGNC=27146 UniProtKB=Q5TA31	E3 ubiquitin-protein ligase RNF187;RNF187;ortholog	ubiquitin-protein ligase(PC00234)
HUMAN HGNC=5006 UniProtKB=P04035	3-hydroxy-3-methylglutaryl-coenzyme A reductase;HMGCR;ortholog	reductase(PC00198)
HUMAN HGNC=18985 UniProtKB=Q7Z4W1	L-xylulose reductase;DCXR;ortholog	reductase(PC00198)
HUMAN HGNC=3208 UniProtKB=P24534	Elongation factor 1-beta;EEF1B2;ortholog	translation elongation factor(PC00222)
HUMAN HGNC=4456 UniProtKB=P43304	Glycerol-3-phosphate dehydrogenase, mitochondrial;GPD2;ortholog	dehydrogenase(PC00092)
HUMAN HGNC=9411 UniProtKB=P14314	Glucosidase 2 subunit beta;PRKCSH;ortholog	protein-binding activity modulator(PC00095)

HUMAN HGNC=24718 UniProtKB=Q96JJ7	Protein disulfide-isomerase TMX3;TMX3;ortholog	chaperone(PC00072)
HUMAN HGNC=12690 UniProtKB=P09327	Villin-1;VIL1;ortholog	non-motor actin binding protein(PC00165)
HUMAN HGNC=2062 UniProtKB=O00299	Chloride intracellular channel protein 1;CLIC1;ortholog	ion channel(PC00133)
HUMAN HGNC=11172 UniProtKB=Q13596	Sorting nexin-1;SNX1;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=3711 UniProtKB=P62942	Peptidyl-prolyl cis-trans isomerase FKBP1A;FKBP1A;ortholog	chaperone(PC00072)
HUMAN HGNC=20954 UniProtKB=Q9NP79	Vacuolar protein sorting-associated protein VTA1 homolog;VTA1;ortholog	membrane traffic protein(PC00150)
HUMAN HGNC=705 UniProtKB=O15144	Actin-related protein 2/3 complex subunit 2;ARPC2;ortholog	
HUMAN HGNC=17821 UniProtKB=O00148	ATP-dependent RNA helicase DDX39A;DDX39A;ortholog	
HUMAN HGNC=4829 UniProtKB=P02042	Hemoglobin subunit delta;HBD;ortholog	
HUMAN HGNC=1449 UniProtKB=P0DP25	Calmodulin-3;CALM3;ortholog	calmodulin-related(PC00061)
HUMAN HGNC=2720 UniProtKB=Q9ULH1	Arf-GAP with SH3 domain, ANK repeat and PH domain-containing protein 1;ASAP1;ortholog	
HUMAN HGNC=23169 UniProtKB=Q9Y224	RNA transcription, translation and transport factor protein;RTRAF;ortholog	
HUMAN HGNC=5633 UniProtKB=A0A075B7D8	Ig-like domain-containing protein;IGHV3OR15-7;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=5821 UniProtKB=A0A075B6H7	Probable non-functional immunoglobulin kappa variable 3-7;IGKV3-7;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=4242 UniProtKB=O94808	Glutamine--fructose-6-phosphate aminotransferase [isomerizing] 2;GFPT2;ortholog	transaminase(PC00216)
HUMAN HGNC=18344 UniProtKB=Q9BX68	Histidine triad nucleotide-binding protein 2, mitochondrial;HINT2;ortholog	nucleotide phosphatase(PC00173)
HUMAN HGNC=9465 UniProtKB=P11908	Ribose-phosphate pyrophosphokinase 2;PRPS2;ortholog	nucleotide kinase(PC00172)
HUMAN HGNC=1516 UniProtKB=P04040	Catalase;CAT;ortholog	peroxidase(PC00180)
HUMAN HGNC=5156 UniProtKB=P00739	Haptoglobin-related protein;HPR;ortholog	serine protease(PC00203)
HUMAN HGNC=4057 UniProtKB=P11413	Glucose-6-phosphate 1-dehydrogenase;G6PD;ortholog	dehydrogenase(PC00092)
HUMAN HGNC=10823 UniProtKB=O75368	SH3 domain-binding glutamic acid-rich-like protein;SH3BGRL;ortholog	
HUMAN HGNC=8527 UniProtKB=P55809	Succinyl-CoA:3-ketoacid coenzyme A transferase 1, mitochondrial;OXCT1;ortholog	transferase(PC00220)
HUMAN HGNC=29557 UniProtKB=Q0ZGT2	Nexilin;NEXN;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=9635 UniProtKB=Q12974	Protein tyrosine phosphatase type IVA 2;PTP4A2;ortholog	protein phosphatase(PC00195)
HUMAN HGNC=5756 UniProtKB=P04432	Immunoglobulin kappa variable 1D-39;IGKV1D-39;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=9992 UniProtKB=O43665	Regulator of G-protein signaling 10;RGS10;ortholog	
HUMAN HGNC=3702 UniProtKB=Q13642	Four and a half LIM domains protein 1;FHL1;ortholog	

HUMAN HGNC=29534 UniProtKB=Q9BSJ8	Extended synaptotagmin-1;ESYT1;ortholog	
HUMAN HGNC=24641 UniProtKB=Q7Z3J2	VPS35 endosomal protein sorting factor-like;VPS35L;ortholog	
HUMAN HGNC=28771 UniProtKB=Q9BVC6	Transmembrane protein 109;TMEM109;ortholog	
HUMAN HGNC=5036 UniProtKB=Q14103	Heterogeneous nuclear ribonucleoprotein D0;HNRNPD;ortholog	
HUMAN HGNC=2734 UniProtKB=Q92499	ATP-dependent RNA helicase DDX1;DDX1;ortholog	
HUMAN HGNC=1801 UniProtKB=O95674	Phosphatidate cytidyltransferase 2;CDS2;ortholog	transferase(PC00220)
HUMAN HGNC=4684 UniProtKB=P33402	Guanylate cyclase soluble subunit alpha-2;GUCY1A2;ortholog	guanylate cyclase(PC00114)
HUMAN HGNC=20635 UniProtKB=Q14997	Proteasome activator complex subunit 4;PSME4;ortholog	
HUMAN HGNC=12841 UniProtKB=P07947	Tyrosine-protein kinase Yes;YES1;ortholog	
HUMAN HGNC=11034 UniProtKB=Q2Y0W8	Electroneutral sodium bicarbonate exchanger 1;SLC4A8;ortholog	secondary carrier transporter(PC00258)
HUMAN HGNC=9355 UniProtKB=P30044	Peroxiredoxin-5, mitochondrial;PRDX5;ortholog	oxidoreductase(PC00176)
HUMAN HGNC=10869 UniProtKB=Q92185	Alpha-N-acetylneuraminide alpha-2,8-sialyltransferase;ST8SIA1;ortholog	transferase(PC00220)
HUMAN HGNC=885 UniProtKB=O75882	Attractin;ATRN;ortholog	extracellular matrix protein(PC00102)
HUMAN HGNC=4623 UniProtKB=P00390	Glutathione reductase, mitochondrial;GSR;ortholog	reductase(PC00198)
HUMAN HGNC=11274 UniProtKB=P11277	Spectrin beta chain, erythrocytic;SPTB;ortholog	
HUMAN HGNC=7967 UniProtKB=Q96R11	Bile acid receptor;NR1H4;ortholog	C4 zinc finger nuclear receptor(PC00169)
HUMAN HGNC=26525 UniProtKB=Q6P387	Uncharacterized protein C16orf46;C16orf46;ortholog	
HUMAN HGNC=17059 UniProtKB=Q9NTJ5	Phosphatidylinositol-3-phosphatase SAC1;SACM1L;ortholog	phosphatase(PC00181)
HUMAN HGNC=24013 UniProtKB=Q5QJE6	Deoxynucleotidyltransferase terminal-interacting protein 2;DNTTIP2;ortholog	
HUMAN HGNC=18587 UniProtKB=O94901	SUN domain-containing protein 1;SUN1;ortholog	non-motor microtubule binding protein(PC00166)
HUMAN HGNC=12401 UniProtKB=P33981	Dual specificity protein kinase TTK;TTK;ortholog	non-receptor serine/threonine protein kinase(PC00167)
HUMAN HGNC=3754 UniProtKB=P21333	Filamin-A;FLNA;ortholog	
HUMAN HGNC=17038 UniProtKB=Q99685	Monoglyceride lipase;MGLL;ortholog	phospholipase(PC00186)
HUMAN HGNC=3214 UniProtKB=P13639	Elongation factor 2;EEF2;ortholog	translation elongation factor(PC00222)
HUMAN HGNC=32060 UniProtKB=Q5TEC6	Histone H3;H3-2;ortholog	histone(PC00118)
HUMAN HGNC=9537 UniProtKB=P20618	Proteasome subunit beta type-1;PSMB1;ortholog	protease(PC00190)

HUMAN HGNC=26533 UniProtKB=Q96M83	Coiled-coil domain-containing protein 7;CCDC7;ortholog	
HUMAN HGNC=1458 UniProtKB=O43852	Calumenin;CALU;ortholog	calmodulin-related(PC00061)
HUMAN HGNC=6902 UniProtKB=O00187	Mannan-binding lectin serine protease 2;MASP2;ortholog	serine protease(PC00203)
HUMAN HGNC=4566 UniProtKB=P62993	Growth factor receptor-bound protein 2;GRB2;ortholog	
HUMAN HGNC=11491 UniProtKB=P43405	Tyrosine-protein kinase SYK;SYK;ortholog	
HUMAN HGNC=3200 UniProtKB=Q5VTE0	Putative elongation factor 1-alpha-like 3;EEF1A1P5;ortholog	translation factor(PC00223)
HUMAN HGNC=18411 UniProtKB=Q3KNW1	Zinc finger protein SNAI3;SNAI3;ortholog	C2H2 zinc finger transcription factor(PC00248)
HUMAN HGNC=26212 UniProtKB=P61009	Signal peptidase complex subunit 3;SPCS3;ortholog	protease(PC00190)
HUMAN HGNC=8498 UniProtKB=P02763	Alpha-1-acid glycoprotein 1;ORM1;ortholog	
HUMAN HGNC=14902 UniProtKB=Q9NRW1	Ras-related protein Rab-6B;RAB6B;ortholog	
HUMAN HGNC=143 UniProtKB=P68032	Actin, alpha cardiac muscle 1;ACTC1;ortholog	actin and actin related protein(PC00039)
HUMAN HGNC=3048 UniProtKB=Q02413	Desmoglein-1;DSG1;ortholog	cadherin(PC00057)
HUMAN HGNC=5732 UniProtKB=P04430	Immunoglobulin kappa variable 1-16;IGKV1-16;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=15447 UniProtKB=Q9Y4G6	Talin-2;TLN2;ortholog	
HUMAN HGNC=1990 UniProtKB=Q8WWK9	Cytoskeleton-associated protein 2;CKAP2;ortholog	non-motor microtubule binding protein(PC00166)
HUMAN HGNC=24437 UniProtKB=Q96KP4	Cytosolic non-specific dipeptidase;CNDP2;ortholog	metalloprotease(PC00153)
HUMAN HGNC=17196 UniProtKB=Q8NG08	DNA helicase B;HELB;ortholog	RNA helicase(PC00032)
HUMAN HGNC=5585 UniProtKB=A0A0C4DH32	Immunoglobulin heavy variable 3-20;IGHV3-20;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=4385 UniProtKB=P04899	Guanine nucleotide-binding protein G(i) subunit alpha-2;GNAI2;ortholog	heterotrimeric G-protein(PC00117)
HUMAN HGNC=9559 UniProtKB=Q13200	26S proteasome non-ATPase regulatory subunit 2;PSMD2;ortholog	protease(PC00190)
HUMAN HGNC=343 UniProtKB=P23526	Adenosylhomocysteinase;AHCY;ortholog	hydrolase(PC00121)
HUMAN HGNC=10045 UniProtKB=P10153	Non-secretory ribonuclease;RNASE2;ortholog	
HUMAN HGNC=16996 UniProtKB=Q15363	Transmembrane emp24 domain-containing protein 2;TMED2;ortholog	vesicle coat protein(PC00235)
HUMAN HGNC=5896 UniProtKB=P01715	Immunoglobulin lambda variable 3-1;IGLV3-1;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=18144 UniProtKB=Q8IZU8	Dermatan-sulfate epimerase-like protein;DSEL;ortholog	
HUMAN HGNC=9314 UniProtKB=Q08209	Serine/threonine-protein phosphatase 2B catalytic subunit alpha isoform;PPP3CA;ortholog	protein phosphatase(PC00195)

HUMAN HGNC=412 UniProtKB=P49189	4-trimethylaminobutyraldehyde dehydrogenase;ALDH9A1;ortholog	dehydrogenase(PC00092)
HUMAN HGNC=4208 UniProtKB=P23434	Glycine cleavage system H protein, mitochondrial;GCSH;ortholog	
HUMAN HGNC=4798 UniProtKB=Q14520	Hyaluronan-binding protein 2;HABP2;ortholog	serine protease(PC00203)
HUMAN HGNC=1738 UniProtKB=Q9Y5S2	Serine/threonine-protein kinase MRCK beta;CDC42BPB;ortholog	non-receptor serine/threonine protein kinase(PC00167)
HUMAN HGNC=11219 UniProtKB=P09486	SPARC;SPARC;ortholog	extracellular matrix glycoprotein(PC00100)
HUMAN HGNC=654 UniProtKB=P61204	ADP-ribosylation factor 3;ARF3;ortholog	G-protein(PC00020)
HUMAN HGNC=1717 UniProtKB=Q16181	Septin-7;SEPTIN7;ortholog	cytoskeletal protein(PC00085)
HUMAN HGNC=16268 UniProtKB=Q8IY17	Patatin-like phospholipase domain-containing protein 6;PNPLA6;ortholog	esterase(PC00097)
HUMAN HGNC=20726 UniProtKB=Q8WVM8	Sec1 family domain-containing protein 1;SCFD1;ortholog	membrane trafficking regulatory protein(PC00151)
HUMAN HGNC=26406 UniProtKB=Q96NL6	Sodium channel and clathrin linker 1;SCLT1;ortholog	
HUMAN HGNC=9801 UniProtKB=P63000	Ras-related C3 botulinum toxin substrate 1;RAC1;ortholog	small GTPase(PC00208)
HUMAN HGNC=15750 UniProtKB=P60981	Destrin;DSTN;ortholog	non-motor actin binding protein(PC00165)
HUMAN HGNC=11512 UniProtKB=Q9H2B2	Synaptotagmin-4;SYT4;ortholog	membrane trafficking regulatory protein(PC00151)
HUMAN HGNC=7007 UniProtKB=P61006	Ras-related protein Rab-8A;RAB8A;ortholog	
HUMAN HGNC=29353 UniProtKB=Q6PI77	Protein BHLHB9;BHLHB9;ortholog	basic helix-loop-helix transcription factor(PC00055)
HUMAN HGNC=6167 UniProtKB=P19823	Inter-alpha-trypsin inhibitor heavy chain H2;ITIH2;ortholog	protease inhibitor(PC00191)
HUMAN HGNC=626 UniProtKB=P07741	Adenine phosphoribosyltransferase;APRT;ortholog	transferase(PC00220)
HUMAN HGNC=1393 UniProtKB=O60840	Voltage-dependent L-type calcium channel subunit alpha-1F;CACNA1F;ortholog	voltage-gated ion channel(PC00241)
HUMAN HGNC=9759 UniProtKB=P61026	Ras-related protein Rab-10;RAB10;ortholog	
HUMAN HGNC=25951 UniProtKB=Q6ULP2	Aftiphilin;AFTPH;ortholog	
HUMAN HGNC=1548 UniProtKB=P16152	Carbonyl reductase [NADPH] 1;CBR1;ortholog	reductase(PC00198)
HUMAN HGNC=837 UniProtKB=P30049	ATP synthase subunit delta, mitochondrial;ATP5F1D;ortholog	ATP synthase(PC00002)
HUMAN HGNC=7183 UniProtKB=P41218	Myeloid cell nuclear differentiation antigen;MNDA;ortholog	DNA-binding transcription factor(PC00218)
HUMAN HGNC=26427 UniProtKB=Q96ND8	Zinc finger protein 583;ZNF583;ortholog	
HUMAN HGNC=6091 UniProtKB=P06213	Insulin receptor;INSR;ortholog	transmembrane signal receptor(PC00197)

HUMAN HGNC=22934 UniProtKB=Q8NAB2	Kelch repeat and BTB domain-containing protein 3;KBTBD3;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=8997 UniProtKB=P48426	Phosphatidylinositol 5-phosphate 4-kinase type-2 alpha;PIP4K2A;ortholog	kinase(PC00137)
HUMAN HGNC=4838 UniProtKB=P05546	Heparin cofactor 2;SERPIND1;ortholog	protease inhibitor(PC00191)
HUMAN HGNC=5044 UniProtKB=P61978	Heterogeneous nuclear ribonucleoprotein K;HNRNPK;ortholog	RNA metabolism protein(PC00031)
HUMAN HGNC=7900 UniProtKB=P55786	Puromycin-sensitive aminopeptidase;NPEPPS;ortholog	metalloprotease(PC00153)
HUMAN HGNC=9772 UniProtKB=Q13637	Ras-related protein Rab-32;RAB32;ortholog	
HUMAN HGNC=9531 UniProtKB=P25787	Proteasome subunit alpha type-2;PSMA2;ortholog	protease(PC00190)
HUMAN HGNC=11358 UniProtKB=O75886	Signal transducing adapter molecule 2;STAM2;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=6529 UniProtKB=Q13094	Lymphocyte cytosolic protein 2;LCP2;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=6499 UniProtKB=P11279	Lysosome-associated membrane glycoprotein 1;LAMP1;ortholog	membrane trafficking regulatory protein(PC00151)
HUMAN HGNC=14882 UniProtKB=Q9NQ79	Cartilage acidic protein 1;CRTAC1;ortholog	
HUMAN HGNC=1328 UniProtKB=P20851	C4b-binding protein beta chain;C4BPB;ortholog	
HUMAN HGNC=24054 UniProtKB=Q8NG31	Kinetochore scaffold 1;KNL1;ortholog	
HUMAN HGNC=2551 UniProtKB=Q13616	Cullin-1;CUL1;ortholog	ubiquitin-protein ligase(PC00234)
HUMAN HGNC=9556 UniProtKB=O00231	26S proteasome non-ATPase regulatory subunit 11;PSMD11;ortholog	
HUMAN HGNC=3300 UniProtKB=P63241	Eukaryotic translation initiation factor 5A-1;EIF5A;ortholog	translation initiation factor(PC00224)
HUMAN HGNC=11590 UniProtKB=Q16650	T-box brain protein 1;TBR1;ortholog	Rel homology transcription factor(PC00252)
HUMAN HGNC=30646 UniProtKB=Q7KZF4	Staphylococcal nuclease domain-containing protein 1;SND1;ortholog	
HUMAN HGNC=16273 UniProtKB=Q96A49	Synapse-associated protein 1;SYAP1;ortholog	
HUMAN HGNC=6325 UniProtKB=O60282	Kinesin heavy chain isoform 5C;KIF5C;ortholog	microtubule binding motor protein(PC00156)
HUMAN HGNC=17780 UniProtKB=Q562R1	Beta-actin-like protein 2;ACTBL2;ortholog	actin and actin related protein(PC00039)
HUMAN HGNC=4749 UniProtKB=Q99877	Histone H2B type 1-N;H2BC15;ortholog	histone(PC00118)
HUMAN HGNC=8601 UniProtKB=Q06141	Regenerating islet-derived protein 3-alpha;REG3A;ortholog	
HUMAN HGNC=9462 UniProtKB=P60891	Ribose-phosphate pyrophosphokinase 1;PRPS1;ortholog	nucleotide kinase(PC00172)
HUMAN HGNC=17305 UniProtKB=Q9Y6J9	TAF6-like RNA polymerase II p300/CBP-associated factor-associated factor 65 kDa subunit 6L;TAF6L;ortholog	general transcription factor(PC00259)
HUMAN HGNC=1241 UniProtKB=P02745	Complement C1q subcomponent subunit A;C1QA;ortholog	

HUMAN HGNC=5735 UniProtKB=A0A075B6S5	Immunoglobulin kappa variable 1-27;IGKV1-27;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=4387 UniProtKB=P08754	Guanine nucleotide-binding protein G(i) subunit alpha;GNAI3;ortholog	heterotrimeric G-protein(PC00117)
HUMAN HGNC=29801 UniProtKB=Q7L9L4	MOB kinase activator 1B;MOB1B;ortholog	kinase activator(PC00138)
HUMAN HGNC=37215 UniProtKB=A6NIK2	Leucine-rich repeat-containing protein 10B;LRRC10B;ortholog	
HUMAN HGNC=12628 UniProtKB=P45974	Ubiquitin carboxyl-terminal hydrolase 5;USP5;ortholog	cysteine protease(PC00081)
HUMAN HGNC=30052 UniProtKB=Q8TEM1	Nuclear pore membrane glycoprotein 210;NUP210;ortholog	transporter(PC00227)
HUMAN HGNC=1869 UniProtKB=P11597	Cholesteryl ester transfer protein;CETP;ortholog	
HUMAN HGNC=26801 UniProtKB=Q8N8Q8	Cytochrome c oxidase assembly protein COX18, mitochondrial;COX18;ortholog	transporter(PC00227)
HUMAN HGNC=12976 UniProtKB=O15231	Zinc finger protein 185;ZNF185;ortholog	
HUMAN HGNC=1368 UniProtKB=P00915	Carbonic anhydrase 1;CA1;ortholog	
HUMAN HGNC=6510 UniProtKB=P16949	Stathmin;STMN1;ortholog	
HUMAN HGNC=4699 UniProtKB=P46976	Glycogenin-1;GYG1;ortholog	glycosyltransferase(PC00111)
HUMAN HGNC=21101 UniProtKB=O60888	Protein CutA;CUTA;ortholog	primary active transporter(PC00068)
HUMAN HGNC=28883 UniProtKB=Q9H2U2	Inorganic pyrophosphatase 2, mitochondrial;PPA2;ortholog	pyrophosphatase(PC00196)
HUMAN HGNC=5601 UniProtKB=A0A0C4DH36	Probable non-functional immunoglobulin heavy variable 3-38;IGHV3-38;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=9380 UniProtKB=P17612	cAMP-dependent protein kinase catalytic subunit alpha;PRKACA;ortholog	non-receptor serine/threonine protein kinase(PC00167)
HUMAN HGNC=15912 UniProtKB=Q9UNZ2	NSFL1 cofactor p47;NSFL1C;ortholog	protein-binding activity modulator(PC00095)
HUMAN HGNC=13200 UniProtKB=Q15942	Zyxin;ZYX;ortholog	actin or actin-binding cytoskeletal protein(PC00041)
HUMAN HGNC=25153 UniProtKB=Q96EY5	Multivesicular body subunit 12A;MVB12A;ortholog	
HUMAN HGNC=9935 UniProtKB=Q14257	Reticulocalbin-2;RCN2;ortholog	calmodulin-related(PC00061)
HUMAN HGNC=1228 UniProtKB=P05155	Plasma protease C1 inhibitor;SERPING1;ortholog	protease inhibitor(PC00191)
HUMAN HGNC=17102 UniProtKB=Q92619	Rho GTPase-activating protein 45;ARHGAP45;ortholog	
HUMAN HGNC=12853 UniProtKB=Q04917	14-3-3 protein eta;YWHAH;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=18673 UniProtKB=Q96JB5	CDK5 regulatory subunit-associated protein 3;CDK5RAP3;ortholog	
HUMAN HGNC=6439 UniProtKB=P35908	Keratin, type II cytoskeletal 2 epidermal;KRT2;ortholog	
HUMAN HGNC=12854 UniProtKB=P27348	14-3-3 protein theta;YWHAQ;ortholog	scaffold/adaptor protein(PC00226)



HUMAN HGNC=4444 UniProtKB=P14770	Platelet glycoprotein IX;GP9;ortholog	
HUMAN HGNC=1358 UniProtKB=P02748	Complement component C9;C9;ortholog	
HUMAN HGNC=4926 UniProtKB=O15212	Prefoldin subunit 6;PFDN6;ortholog	
HUMAN HGNC=16 UniProtKB=P01011	Alpha-1-antichymotrypsin;SERPINA3;ortholog	protease inhibitor(PC00191)
HUMAN HGNC=5526 UniProtKB=P01859	Immunoglobulin heavy constant gamma 2;IGHG2;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=9532 UniProtKB=P25788	Proteasome subunit alpha type-3;PSMA3;ortholog	protease(PC00190)
HUMAN HGNC=12672 UniProtKB=P45880	Voltage-dependent anion-selective channel protein 2;VDAC2;ortholog	voltage-gated ion channel(PC00241)
HUMAN HGNC=20 UniProtKB=P49588	Alanine--tRNA ligase, cytoplasmic;AARS1;ortholog	aminoacyl-tRNA synthetase(PC00047)
HUMAN HGNC=19347 UniProtKB=O14529	Homeobox protein cut-like 2;CUX2;ortholog	homeodomain transcription factor(PC00119)
HUMAN HGNC=11256 UniProtKB=Q13103	Secreted phosphoprotein 24;SPP2;ortholog	
HUMAN HGNC=2444 UniProtKB=P41240	Tyrosine-protein kinase CSK;CSK;ortholog	
HUMAN HGNC=18170 UniProtKB=P30085	UMP-CMP kinase;CMPK1;ortholog	nucleotide kinase(PC00172)
HUMAN HGNC=28101 UniProtKB=Q2M2H8	Probable maltase-glucoamylase 2;MGAM2;ortholog	glucosidase(PC00108)
HUMAN HGNC=735 UniProtKB=Q13510	Acid ceramidase;ASAH1;ortholog	cysteine protease(PC00081)
HUMAN HGNC=7547 UniProtKB=P10243	Myb-related protein A;MYBL1;ortholog	
HUMAN HGNC=10719 UniProtKB=Q13228	Methanethiol oxidase;SELENBP1;ortholog	defense/immunity protein(PC00090)
HUMAN HGNC=12436 UniProtKB=O43396	Thioredoxin-like protein 1;TXNL1;ortholog	oxidoreductase(PC00176)
HUMAN HGNC=7629 UniProtKB=E9PAV3	Nascent polypeptide-associated complex subunit alpha, muscle-specific form;NACA;ortholog	basic helix-loop-helix transcription factor(PC00055)
HUMAN HGNC=10464 UniProtKB=Q15404	Ras suppressor protein 1;RSU1;ortholog	scaffold/adaptor protein(PC00226)
HUMAN Gene=ENH1_HUMAN UniProtKB=Q9N2K0	HERV-H_2q24.3 provirus ancestral Env polyprotein;-;ortholog	viral or transposable element protein(PC00237)
HUMAN HGNC=24087 UniProtKB=Q0VD83	Apolipoprotein B receptor;APOBR;ortholog	
HUMAN HGNC=11617 UniProtKB=Q15369	Elongin-C;ELOC;ortholog	general transcription factor(PC00259)
HUMAN HGNC=16867 UniProtKB=O75150	E3 ubiquitin-protein ligase BRE1B;RNF40;ortholog	
HUMAN HGNC=24808 UniProtKB=O14545	TRAF-type zinc finger domain-containing protein 1;TRAFD1;ortholog	
HUMAN HGNC=14653 UniProtKB=Q9HBI1	Beta-parvin;PARVB;ortholog	actin and actin related protein(PC00039)
HUMAN HGNC=3383 UniProtKB=P27105	Erythrocyte band 7 integral membrane protein;STOM;ortholog	cytoskeletal protein(PC00085)

HUMAN HGNC=30025 UniProtKB=Q5VV67	Peroxisome proliferator-activated receptor gamma coactivator-related protein 1;PPRC1;ortholog	transcription cofactor(PC00217)
HUMAN HGNC=5908 UniProtKB=P01717	Immunoglobulin lambda variable 3-25;IGLV3-25;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=17169 UniProtKB=Q13162	Peroxiredoxin-4;PRDX4;ortholog	peroxidase(PC00180)
HUMAN HGNC=12420 UniProtKB=P49411	Elongation factor Tu, mitochondrial;TUFM;ortholog	translation elongation factor(PC00222)
HUMAN HGNC=21696 UniProtKB=Q9Y3Q8	TSC22 domain family protein 4;TSC22D4;ortholog	
HUMAN HGNC=11891 UniProtKB=P05452	Tetranectin;CLEC3B;ortholog	intercellular signal molecule(PC00207)
HUMAN HGNC=11453 UniProtKB=P50225	Sulfotransferase 1A1;SULT1A1;ortholog	transferase(PC00220)
HUMAN HGNC=10519 UniProtKB=Q9NZJ4	Sacsin;SACS;ortholog	
HUMAN HGNC=20710 UniProtKB=Q9BTP6	Zinc finger BED domain-containing protein 2;ZBED2;ortholog	
HUMAN HGNC=26486 UniProtKB=Q6PJW8	Consortin;CNST;ortholog	
HUMAN HGNC=29141 UniProtKB=O94967	WD repeat-containing protein 47;WDR47;ortholog	
HUMAN HGNC=3282 UniProtKB=P60842	Eukaryotic initiation factor 4A-I;EIF4A1;ortholog	
HUMAN HGNC=5576 UniProtKB=P01817	Immunoglobulin heavy variable 2-5;IGHV2-5;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=12733 UniProtKB=Q9Y6W5	Wiskott-Aldrich syndrome protein family member 2;WASF2;ortholog	non-motor actin binding protein(PC00165)
HUMAN HGNC=10774 UniProtKB=P23246	Splicing factor, proline- and glutamine-rich;SFPQ;ortholog	RNA metabolism protein(PC00031)
HUMAN HGNC=3756 UniProtKB=Q14315	Filamin-C;FLNC;ortholog	
HUMAN HGNC=18271 UniProtKB=Q8N8S7	Protein enabled homolog;ENAH;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=11655 UniProtKB=P17987	T-complex protein 1 subunit alpha;TCP1;ortholog	chaperonin(PC00073)
HUMAN HGNC=27023 UniProtKB=A6NMZ7	Collagen alpha-6(VI) chain;COL6A6;ortholog	
HUMAN HGNC=5610 UniProtKB=P01767	Immunoglobulin heavy variable 3-53;IGHV3-53;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=5882 UniProtKB=P01701	Immunoglobulin lambda variable 1-51;IGLV1-51;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=667 UniProtKB=P61586	Transforming protein RhoA;RHOA;ortholog	small GTPase(PC00208)
HUMAN HGNC=27257 UniProtKB=Q3MIP1	Inositol 1,4,5-trisphosphate receptor-interacting protein-like 2;ITPRIL2;ortholog	
HUMAN HGNC=3718 UniProtKB=P26885	Peptidyl-prolyl cis-trans isomerase FKBP2;FKBP2;ortholog	
HUMAN HGNC=1692 UniProtKB=P08962	CD63 antigen;CD63;ortholog	
HUMAN HGNC=746 UniProtKB=P04424	Argininosuccinate lyase;ASL;ortholog	lyase(PC00144)
HUMAN HGNC=2254 UniProtKB=Q9ULV4	Coronin-1C;CORO1C;ortholog	non-motor actin binding protein(PC00165)

HUMAN HGNC=13312 UniProtKB=P78417	Glutathione S-transferase omega-1;GSTO1;ortholog	
HUMAN HGNC=9700 UniProtKB=Q8IVU1	Immunoglobulin superfamily DCC subclass member 3;IGDCC3;ortholog	
HUMAN HGNC=13529 UniProtKB=Q9Y2B0	Protein canopy homolog 2;CNPY2;ortholog	
HUMAN HGNC=5261 UniProtKB=P10809	60 kDa heat shock protein, mitochondrial;HSPD1;ortholog	
HUMAN HGNC=2761 UniProtKB=P59665	Neutrophil defensin 1;DEFA1;ortholog	antimicrobial response protein(PC00051)
HUMAN HGNC=24607 UniProtKB=Q86VF2	Immunoglobulin-like and fibronectin type III domain-containing protein 1;IGFN1;ortholog	
HUMAN HGNC=5739 UniProtKB=A0A075B6S9	Probable non-functional immunoglobulin kappa variable 1-37;IGKV1-37;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=30306 UniProtKB=Q99623	Prohibitin-2;PHB2;ortholog	
HUMAN Ensembl=ENSGO0000282150 UniProtKB=A0A0J9YY99	Ig-like domain-containing protein;ENSG00000282150;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=4621 UniProtKB=P15170	Eukaryotic peptide chain release factor GTP-binding subunit ERF3A;GSPT1;ortholog	translation factor(PC00223)
HUMAN HGNC=9504 UniProtKB=O43739	Cytohesin-3;CYTH3;ortholog	guanyl-nucleotide exchange factor(PC00113)
HUMAN HGNC=11007 UniProtKB=P11169	Solute carrier family 2, facilitated glucose transporter member 3;SLC2A3;ortholog	
HUMAN HGNC=5541 UniProtKB=P01871	Immunoglobulin heavy constant mu;IGHM;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=2520 UniProtKB=Q9NRF8	CTP synthase 2;CTPS2;ortholog	ligase(PC00142)
HUMAN HGNC=17497 UniProtKB=Q8WZA0	Protein LZIC;LZIC;ortholog	
HUMAN HGNC=568 UniProtKB=O14617	AP-3 complex subunit delta-1;AP3D1;ortholog	transporter(PC00227)
HUMAN HGNC=806 UniProtKB=P54709	Sodium/potassium-transporting ATPase subunit beta-3;ATP1B3;ortholog	primary active transporter(PC00068)
HUMAN HGNC=11984 UniProtKB=Q6ZVM7	TOM1-like protein 2;TOM1L2;ortholog	
HUMAN HGNC=8010 UniProtKB=Q9Y4C0	Neurexin-3;NRXN3;ortholog	
HUMAN HGNC=6387 UniProtKB=Q07866	Kinesin light chain 1;KLC1;ortholog	microtubule binding motor protein(PC00156)
HUMAN HGNC=188 UniProtKB=O14672	Disintegrin and metalloproteinase domain-containing protein 10;ADAM10;ortholog	protease(PC00190)
HUMAN HGNC=12755 UniProtKB=Q9UNX4	WD repeat-containing protein 3;WDR3;ortholog	
HUMAN HGNC=31418 UniProtKB=Q5VYM1	Uncharacterized protein C9orf131;C9orf131;ortholog	
HUMAN HGNC=16906 UniProtKB=Q9Y2Q3	Glutathione S-transferase kappa 1;GSTK1;ortholog	transferase(PC00220)
HUMAN HGNC=26350 UniProtKB=Q7Z5J8	Ankyrin and armadillo repeat-containing protein;ANKAR;ortholog	
HUMAN HGNC=19985 UniProtKB=P53999	Activated RNA polymerase II transcriptional coactivator p15;SUB1;ortholog	general transcription factor(PC00259)

HUMAN HGNC=24335 UniProtKB=Q99627	COP9 signalosome complex subunit 8;COPS8;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=15999 UniProtKB=Q9NZV5	Selenoprotein N;SELENON;ortholog	
HUMAN HGNC=5816 UniProtKB=P01624	Immunoglobulin kappa variable 3-15;IGKV3-15;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=11985 UniProtKB=O94826	Mitochondrial import receptor subunit TOM70;TOMM70;ortholog	primary active transporter(PC00068)
HUMAN HGNC=5733 UniProtKB=P01599	Immunoglobulin kappa variable 1-17;IGKV1-17;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=6207 UniProtKB=P14923	Junction plakoglobin;JUP;ortholog	
HUMAN HGNC=11763 UniProtKB=P02786	Transferrin receptor protein 1;TFRC;ortholog	metalloprotease(PC00153)
HUMAN HGNC=1165 UniProtKB=Q9Y4D2	Diacylglycerol lipase-alpha;DAGLA;ortholog	lipase(PC00143)
HUMAN HGNC=18263 UniProtKB=Q9UL25	Ras-related protein Rab-21;RAB21;ortholog	
HUMAN HGNC=11873 UniProtKB=Q9NYL9	Tropomodulin-3;TMOD3;ortholog	actin or actin-binding cytoskeletal protein(PC00041)
HUMAN HGNC=7849 UniProtKB=P15531	Nucleoside diphosphate kinase A;NME1;ortholog	kinase(PC00137)
HUMAN HGNC=11445 UniProtKB=Q15833	Syntaxin-binding protein 2;STXBP2;ortholog	membrane trafficking regulatory protein(PC00151)
HUMAN HGNC=21245 UniProtKB=Q6UXB8	Peptidase inhibitor 16;PI16;ortholog	defense/immunity protein(PC00090)
HUMAN HGNC=1735 UniProtKB=Q16543	Hsp90 co-chaperone Cdc37;CDC37;ortholog	chaperone(PC00072)
HUMAN HGNC=26281 UniProtKB=Q6ZN84	Coiled-coil domain-containing protein 81;CCDC81;ortholog	
HUMAN HGNC=19880 UniProtKB=Q9Y6C2	EMILIN-1;EMILIN1;ortholog	
HUMAN HGNC=4719 UniProtKB=P16401	Histone H1.5;H1-5;ortholog	histone(PC00118)
HUMAN HGNC=5783 UniProtKB=A0A075B6P5	Immunoglobulin kappa variable 2-28;IGKV2-28;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=4138 UniProtKB=Q14697	Neutral alpha-glucosidase AB;GANAB;ortholog	glucosidase(PC00108)
HUMAN HGNC=34383 UniProtKB=A6NGG8	Photoreceptor cilium actin regulator;PCARE;ortholog	
HUMAN HGNC=1095 UniProtKB=P17213	Bactericidal permeability-increasing protein;BPI;ortholog	
HUMAN HGNC=9352 UniProtKB=Q06830	Peroxiredoxin-1;PRDX1;ortholog	peroxidase(PC00180)
HUMAN HGNC=10474 UniProtKB=Q9Y265	RuvB-like 1;RUVBL1;ortholog	
HUMAN HGNC=2231 UniProtKB=P53618	Coatomer subunit beta;COPB1;ortholog	vesicle coat protein(PC00235)
HUMAN HGNC=9583 UniProtKB=P26599	Polypyrimidine tract-binding protein 1;PTBP1;ortholog	
HUMAN HGNC=6421 UniProtKB=P19012	Keratin, type I cytoskeletal 15;KRT15;ortholog	

HUMAN HGNC=347 UniProtKB=Q09666	Neuroblast differentiation-associated protein AHNAK;AHNAK;ortholog	
HUMAN HGNC=15754 UniProtKB=P24844	Myosin regulatory light polypeptide 9;MYL9;ortholog	actin or actin-binding cytoskeletal protein(PC00041)
HUMAN HGNC=6984 UniProtKB=P23368	NAD-dependent malic enzyme, mitochondrial;ME2;ortholog	oxidoreductase(PC00176)
HUMAN HGNC=2328 UniProtKB=P50416	Carnitine O-palmitoyltransferase 1, liver isoform;CPT1A;ortholog	acyltransferase(PC00042)
HUMAN HGNC=10661 UniProtKB=P31431	Syndecan-4;SDC4;ortholog	transmembrane signal receptor(PC00197)
HUMAN HGNC=23708 UniProtKB=Q6ZR52	Zinc finger protein 493;ZNF493;ortholog	C2H2 zinc finger transcription factor(PC00248)
HUMAN HGNC=5480 UniProtKB=P01880	Immunoglobulin heavy constant delta;IGHD;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=1488 UniProtKB=P52907	F-actin-capping protein subunit alpha-1;CAPZA1;ortholog	non-motor actin binding protein(PC00165)
HUMAN HGNC=1709 UniProtKB=P21926	CD9 antigen;CD9;ortholog	
HUMAN HGNC=24748 UniProtKB=Q68D51	DENN domain-containing protein 2C;DENND2C;ortholog	
HUMAN HGNC=4716 UniProtKB=P16403	Histone H1.2;H1-2;ortholog	histone(PC00118)
HUMAN HGNC=10377 UniProtKB=P05387	60S acidic ribosomal protein P2;RPLP2;ortholog	ribosomal protein(PC00202)
HUMAN HGNC=9255 UniProtKB=P23284	Peptidyl-prolyl cis-trans isomerase B;PPIB;ortholog	chaperone(PC00072)
HUMAN HGNC=6735 UniProtKB=P07948	Tyrosine-protein kinase Lyn;LYN;ortholog	
HUMAN HGNC=5836 UniProtKB=A0A0C4DH24	Immunoglobulin kappa variable 6-21;IGKV6-21;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=23432 UniProtKB=Q9NXG0	Centlein;CNTLN;ortholog	
HUMAN HGNC=3211 UniProtKB=P29692	Elongation factor 1-delta;EEF1D;ortholog	translation elongation factor(PC00222)
HUMAN HGNC=4376 UniProtKB=P36959	GMP reductase 1;GMPR;ortholog	reductase(PC00198)
HUMAN HGNC=8948 UniProtKB=P29622	Kallistatin;SERPINA4;ortholog	protease inhibitor(PC00191)
HUMAN HGNC=1682 UniProtKB=Q08722	Leukocyte surface antigen CD47;CD47;ortholog	cell adhesion molecule(PC00069)
HUMAN HGNC=2528 UniProtKB=P53634	Dipeptidyl peptidase 1;CTSC;ortholog	cysteine protease(PC00081)
HUMAN HGNC=8062 UniProtKB=P49790	Nuclear pore complex protein Nup153;NUP153;ortholog	transporter(PC00227)
HUMAN HGNC=3380 UniProtKB=Q9Y2J2	Band 4.1-like protein 3;EPB41L3;ortholog	
HUMAN HGNC=23151 UniProtKB=Q86UX7	Fermitin family homolog 3;FERMT3;ortholog	
HUMAN HGNC=14977 UniProtKB=Q9Y5W7	Sorting nexin-14;SNX14;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=9673 UniProtKB=Q12913	Receptor-type tyrosine-protein phosphatase eta;PTPRJ;ortholog	protein phosphatase(PC00195)

HUMAN HGNC=11510 U niProtKB=Q8N9I0	Synaptotagmin-2;SYT2;ortholog	membrane trafficking regulatory protein(PC00151)
HUMAN HGNC=25544 U niProtKB=Q9HCI7	E3 ubiquitin-protein ligase MSL2;MSL2;ortholog	
HUMAN HGNC=19825 U niProtKB=Q6SA08	Testis-specific serine/threonine-protein kinase 4;TSSK4;ortholog	non-receptor serine/threonine protein kinase(PC00167)
HUMAN HGNC=20369 U niProtKB=Q9H4X1	Regulator of cell cycle RGCC;RGCC;ortholog	
HUMAN HGNC=18585 U niProtKB=Q96DH6	RNA-binding protein Musashi homolog 2;MSI2;ortholog	
HUMAN HGNC=9778 Un iProtKB=P20337	Ras-related protein Rab-3B;RAB3B;ortholog	
HUMAN HGNC=2267 Un iProtKB=P20674	Cytochrome c oxidase subunit 5A, mitochondrial;COX5A;ortholog	oxidase(PC00175)
HUMAN HGNC=1472 Un iProtKB=P49913	Cathelicidin antimicrobial peptide;CAMP;ortholog	antimicrobial response protein(PC00051)
HUMAN HGNC=3148 Un iProtKB=P19971	Thymidine phosphorylase;TYMP;ortholog	glycosyltransferase(PC001 11)
HUMAN HGNC=29058 U niProtKB=O60268	Uncharacterized protein KIAA0513;KIAA0513;ortholog	
HUMAN HGNC=7219 Un iProtKB=Q00013	55 kDa erythrocyte membrane protein;MPP1;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=17259 U niProtKB=Q9Y4Z0	U6 snRNA-associated Sm-like protein LSm4;LSM4;ortholog	RNA splicing factor(PC00148)
HUMAN HGNC=19986 U niProtKB=P99999	Cytochrome c;CYCS;ortholog	
HUMAN HGNC=29416 U niProtKB=Q5T7W0	Zinc finger protein 618;ZNF618;ortholog	C2H2 zinc finger transcription factor(PC00248)
HUMAN HGNC=24356 U niProtKB=Q9P126	C-type lectin domain family 1 member B;CLEC1B;ortholog	
HUMAN HGNC=20347 U niProtKB=Q9H9C1	Spermatogenesis-defective protein 39 homolog;VIPAS39;ortholog	
HUMAN HGNC=13487 U niProtKB=Q96QK1	Vacuolar protein sorting-associated protein 35;VPS35;ortholog	membrane traffic protein(PC00150)
HUMAN HGNC=25571 U niProtKB=Q9NVG8	TBC1 domain family member 13;TBC1D13;ortholog	GTPase-activating protein(PC00257)
HUMAN HGNC=17801 U niProtKB=Q8NHY6	Zinc finger protein 28 homolog;ZFP28;ortholog	
HUMAN HGNC=30377 U niProtKB=Q14160	Protein scribble homolog;SCRIB;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=4396 Un iProtKB=P62873	Guanine nucleotide-binding protein G(I)/G(S)/G(T) subunit beta-1;GNB1;ortholog	heterotrimeric G- protein(PC00117)
HUMAN HGNC=29190 U niProtKB=Q9UPQ9	Trinucleotide repeat-containing gene 6B protein;TNRC6B;ortholog	RNA metabolism protein(PC00031)
HUMAN HGNC=11320 U niProtKB=Q8IZP0	Abl interactor 1;ABI1;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=16500 U niProtKB=Q9UN19	Dual adapter for phosphotyrosine and 3- phosphotyrosine and 3- phosphoinositide;DAPP1;ortholog	
HUMAN HGNC=1452 Un iProtKB=P27482	Calmodulin-like protein 3;CALML3;ortholog	calmodulin- related(PC00061)

HUMAN HGNC=8881 UniProtKB=P07737	Profilin-1;PFN1;ortholog	non-motor actin binding protein(PC00165)
HUMAN HGNC=9391 UniProtKB=P13861	cAMP-dependent protein kinase type II-alpha regulatory subunit;PRKAR2A;ortholog	kinase modulator(PC00140)
HUMAN HGNC=9361 UniProtKB=P10124	Serglycin;SRGN;ortholog	
HUMAN HGNC=12458 UniProtKB=P62987	Ubiquitin-60S ribosomal protein L40;UBA52;ortholog	
HUMAN HGNC=15749 UniProtKB=Q9NP55	BPI fold-containing family A member 1;BPIFA1;ortholog	
HUMAN HGNC=17905 UniProtKB=Q9Y613	FH1/FH2 domain-containing protein 1;FHOD1;ortholog	
HUMAN HGNC=14085 UniProtKB=Q9NQC3	Reticulon-4;RTN4;ortholog	
HUMAN HGNC=12647 UniProtKB=Q9BV40	Vesicle-associated membrane protein 8;VAMP8;ortholog	
HUMAN HGNC=5386 UniProtKB=P51553	Isocitrate dehydrogenase [NAD] subunit gamma, mitochondrial;IDH3G;ortholog	dehydrogenase(PC00092)
HUMAN HGNC=31332 UniProtKB=Q6IQ22	Ras-related protein Rab-12;RAB12;ortholog	
HUMAN HGNC=33895 UniProtKB=Q6S8J3	POTE ankyrin domain family member E;POTEE;ortholog	membrane traffic protein(PC00150)
HUMAN HGNC=9093 UniProtKB=P55058	Phospholipid transfer protein;PLTP;ortholog	
HUMAN HGNC=10475 UniProtKB=Q9Y230	RuvB-like 2;RUVBL2;ortholog	
HUMAN HGNC=23378 UniProtKB=Q5HYC2	Uncharacterized protein KIAA2026;KIAA2026;ortholog	
HUMAN HGNC=9868 UniProtKB=Q99969	Retinoic acid receptor responder protein 2;RARRES2;ortholog	
HUMAN HGNC=5586 UniProtKB=A0A0B4J1V1	Immunoglobulin heavy variable 3-21;IGHV3-21;ortholog	immunoglobulin(PC00123)
HUMAN Gene=HV309_HUMAN UniProtKB=P01782	Immunoglobulin heavy variable 3-9;IGHV3-9;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=3579 UniProtKB=P16930	Fumarylacetoacetase;FAH;ortholog	
HUMAN HGNC=6970 UniProtKB=P40925	Malate dehydrogenase, cytoplasmic;MDH1;ortholog	dehydrogenase(PC00092)
HUMAN HGNC=23664 UniProtKB=Q5TCZ1	SH3 and PX domain-containing protein 2A;SH3PXD2A;ortholog	
HUMAN HGNC=2153 UniProtKB=Q9NQW8	Cyclic nucleotide-gated cation channel beta-3;CNGB3;ortholog	ligand-gated ion channel(PC00141)
HUMAN HGNC=11619 UniProtKB=Q15370	Elongin-B;ELOB;ortholog	general transcription factor(PC00259)
HUMAN HGNC=1859 UniProtKB=Q9BV73	Centrosome-associated protein CEP250;CEP250;ortholog	chromatin/chromatin-binding, or -regulatory protein(PC00077)
HUMAN HGNC=9472 UniProtKB=Q99538	Legumain;LGMN;ortholog	cysteine protease(PC00081)
HUMAN HGNC=618 UniProtKB=O14791	Apolipoprotein L1;APOL1;ortholog	apolipoprotein(PC00052)
HUMAN HGNC=395 UniProtKB=P13716	Delta-aminolevulinic acid dehydratase;ALAD;ortholog	dehydratase(PC00091)

HUMAN HGNC=30026 UniProtKB=Q8TD55	Pleckstrin homology domain-containing family O member 2;PLEKHO2;ortholog	
HUMAN HGNC=11559 UniProtKB=P37837	Transaldolase;TALDO1;ortholog	aldolase(PC00044)
HUMAN HGNC=24729 UniProtKB=Q96LP6	Uncharacterized protein C12orf42;C12orf42;ortholog	
HUMAN HGNC=21393 UniProtKB=Q9Y3V2	RWD domain-containing protein 3;RWDD3;ortholog	
HUMAN HGNC=22931 UniProtKB=Q9P2N7	Kelch-like protein 13;KLHL13;ortholog	
HUMAN HGNC=830 UniProtKB=P06576	ATP synthase subunit beta, mitochondrial;ATP5F1B;ortholog	ATP synthase(PC00002)
HUMAN HGNC=29021 UniProtKB=O15078	Centrosomal protein of 290 kDa;CEP290;ortholog	
HUMAN HGNC=15713 UniProtKB=Q9UJX4	Anaphase-promoting complex subunit 5;ANAPC5;ortholog	
HUMAN HGNC=3157 UniProtKB=Q92838	Ectodysplasin-A;EDA;ortholog	
HUMAN HGNC=2389 UniProtKB=P02511	Alpha-crystallin B chain;CRYAB;ortholog	
HUMAN HGNC=10833 UniProtKB=Q9Y371	Endophilin-B1;SH3GLB1;ortholog	
HUMAN HGNC=11583 UniProtKB=P05543	Thyroxine-binding globulin;SERPINA7;ortholog	protease inhibitor(PC00191)
HUMAN HGNC=30796 UniProtKB=Q9Y3F4	Serine-threonine kinase receptor-associated protein;STRAP;ortholog	translation initiation factor(PC00224)
HUMAN HGNC=23077 UniProtKB=Q96FW1	Ubiquitin thioesterase OTUB1;OTUB1;ortholog	cysteine protease(PC00081)
HUMAN HGNC=29035 UniProtKB=O43314	Inositol hexakisphosphate and diphosphoinositol-pentakisphosphate kinase 2;PPIP5K2;ortholog	nucleotide kinase(PC00172)
HUMAN HGNC=1331 UniProtKB=P01031	Complement C5;C5;ortholog	protease inhibitor(PC00191)
HUMAN HGNC=25361 UniProtKB=Q8N264	Rho GTPase-activating protein 24;ARHGAP24;ortholog	
HUMAN HGNC=12652 UniProtKB=P50552	Vasodilator-stimulated phosphoprotein;VASP;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=1324 UniProtKB=P0C0L5	Complement C4-B;C4B_2;ortholog	protease inhibitor(PC00191)
HUMAN HGNC=6153 UniProtKB=P05556	Integrin beta-1;ITGB1;ortholog	integrin(PC00126)
HUMAN HGNC=8868 UniProtKB=Q9NQP4	Prefoldin subunit 4;PFDN4;ortholog	
HUMAN HGNC=8988 UniProtKB=Q13526	Peptidyl-prolyl cis-trans isomerase NIMA-interacting 1;PIN1;ortholog	chaperone(PC00072)
HUMAN HGNC=18808 UniProtKB=Q9Y6E2	Basic leucine zipper and W2 domain-containing protein 2;BZW2;ortholog	basic leucine zipper transcription factor(PC00056)
HUMAN HGNC=1681 UniProtKB=P16070	CD44 antigen;CD44;ortholog	transmembrane signal receptor(PC00197)
HUMAN HGNC=19368 UniProtKB=Q4G0P3	Hydrocephalus-inducing protein homolog;HYDIN;ortholog	
HUMAN HGNC=20373 UniProtKB=Q9NZD8	Maspardin;SPG21;ortholog	



HUMAN HGNC=7373 UniProtKB=P26038	Moesin;MSN;ortholog	actin or actin-binding cytoskeletal protein(PC00041)
HUMAN HGNC=8728 UniProtKB=P22061	Protein-L-isoaspartate(D-aspartate) O-methyltransferase;PCMT1;ortholog	methyltransferase(PC00155)
HUMAN HGNC=3530 UniProtKB=P00748	Coagulation factor XII;F12;ortholog	serine protease(PC00203)
HUMAN HGNC=5662 UniProtKB=A0A0B4J1U7	Immunoglobulin heavy variable 6-1;IGHV6-1;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=1226 UniProtKB=O14908	PDZ domain-containing protein GIPC1;GIPC1;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=14008 UniProtKB=Q9BW11	Max dimerization protein 3;MXD3;ortholog	basic helix-loop-helix transcription factor(PC00055)
HUMAN HGNC=7640 UniProtKB=Q99733	Nucleosome assembly protein 1-like 4;NAP1L4;ortholog	chromatin/chromatin-binding, or -regulatory protein(PC00077)
HUMAN HGNC=20040 UniProtKB=Q01518	Adenylyl cyclase-associated protein 1;CAP1;ortholog	actin or actin-binding cytoskeletal protein(PC00041)
HUMAN HGNC=20296 UniProtKB=Q9Y2H6	Fibronectin type-III domain-containing protein 3A;FNDC3A;ortholog	ubiquitin-protein ligase(PC00234)
HUMAN HGNC=8888 UniProtKB=P18669	Phosphoglycerate mutase 1;PGAM1;ortholog	mutase(PC00160)
HUMAN HGNC=6714 UniProtKB=Q14766	Latent-transforming growth factor beta-binding protein 1;LTBP1;ortholog	extracellular matrix structural protein(PC00103)
HUMAN HGNC=3594 UniProtKB=P49327	Fatty acid synthase;FASN;ortholog	
HUMAN HGNC=1620 UniProtKB=P40227	T-complex protein 1 subunit zeta;CCT6A;ortholog	chaperonin(PC00073)
HUMAN HGNC=23643 UniProtKB=Q8IVF6	Ankyrin repeat domain-containing protein 18A;ANKRD18A;ortholog	
HUMAN HGNC=11554 UniProtKB=P37802	Transgelin-2;TAGLN2;ortholog	non-motor actin binding protein(PC00165)
HUMAN HGNC=3153 UniProtKB=Q16610	Extracellular matrix protein 1;ECM1;ortholog	
HUMAN HGNC=10396 UniProtKB=P62249	40S ribosomal protein S16;RPS16;ortholog	ribosomal protein(PC00202)
HUMAN HGNC=11766 UniProtKB=P01137	Transforming growth factor beta-1 proprotein;TGFB1;ortholog	growth factor(PC00112)
HUMAN HGNC=5652 UniProtKB=A0A075B6R2	Immunoglobulin heavy variable 4-4;IGHV4-4;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=5269 UniProtKB=P61604	10 kDa heat shock protein, mitochondrial;HSPE1;ortholog	chaperonin(PC00073)
HUMAN HGNC=10353 UniProtKB=P36578	60S ribosomal protein L4;RPL4;ortholog	ribosomal protein(PC00202)
HUMAN HGNC=33108 UniProtKB=Q6NX45	Zinc finger protein 774;ZNF774;ortholog	
HUMAN HGNC=29327 UniProtKB=Q5VZ46	Uncharacterized protein KIAA1614;KIAA1614;ortholog	tight junction(PC00214)
HUMAN HGNC=9406 UniProtKB=Q16513	Serine/threonine-protein kinase N2;PKN2;ortholog	non-receptor serine/threonine protein kinase(PC00167)

HUMAN HGNC=2292 UniProtKB=P15954	Cytochrome c oxidase subunit 7C, mitochondrial;COX7C;ortholog	oxidase(PC00175)
HUMAN HGNC=31073 UniProtKB=Q9Y2K3	Myosin-15;MYH15;ortholog	
HUMAN HGNC=20508 UniProtKB=Q8IUE6	Histone H2A type 2-B;H2AC21;ortholog	histone(PC00118)
HUMAN HGNC=15568 UniProtKB=Q9H299	SH3 domain-binding glutamic acid-rich-like protein 3;SH3BGRL3;ortholog	
HUMAN HGNC=4563 UniProtKB=O75791	GRB2-related adapter protein 2;GRAP2;ortholog	
HUMAN HGNC=2047 UniProtKB=O00501	Claudin-5;CLDN5;ortholog	tight junction(PC00214)
HUMAN HGNC=17060 UniProtKB=Q92845	Kinesin-associated protein 3;KIFAP3;ortholog	microtubule binding motor protein(PC00156)
HUMAN HGNC=16452 UniProtKB=P0DN86	Choriogonadotropin subunit beta 3;CGB8;ortholog	peptide hormone(PC00179)
HUMAN HGNC=28338 UniProtKB=Q6ZUT9	DENN domain-containing protein 5B;DENND5B;ortholog	
HUMAN HGNC=910 UniProtKB=P25311	Zinc-alpha-2-glycoprotein;AZGP1;ortholog	major histocompatibility complex protein(PC00149)
HUMAN HGNC=16108 UniProtKB=Q8TDL5	BPI fold-containing family B member 1;BPIFB1;ortholog	
HUMAN HGNC=2422 UniProtKB=O75390	Citrate synthase, mitochondrial;CS;ortholog	transferase(PC00220)
HUMAN HGNC=1245 UniProtKB=P02747	Complement C1q subcomponent subunit C;C1QC;ortholog	
HUMAN HGNC=23526 UniProtKB=Q8NE86	Calcium uniporter protein, mitochondrial;MCU;ortholog	
HUMAN HGNC=24056 UniProtKB=Q8NHP1	Aflatoxin B1 aldehyde reductase member 4;AKR7L;ortholog	reductase(PC00198)
HUMAN HGNC=782 UniProtKB=O95260	Arginyl-tRNA--protein transferase 1;ATE1;ortholog	translational protein(PC00263)
HUMAN HGNC=7850 UniProtKB=P22392	Nucleoside diphosphate kinase B;NME2;ortholog	kinase(PC00137)
HUMAN HGNC=4037 UniProtKB=P06241	Tyrosine-protein kinase Fyn;FYN;ortholog	
HUMAN HGNC=9530 UniProtKB=P25786	Proteasome subunit alpha type-1;PSMA1;ortholog	protease(PC00190)
HUMAN HGNC=5381 UniProtKB=P14735	Insulin-degrading enzyme;IDE;ortholog	metalloprotease(PC00153)
HUMAN HGNC=24811 UniProtKB=Q14554	Protein disulfide-isomerase A5;PDIA5;ortholog	chaperone(PC00072)
HUMAN HGNC=5887 UniProtKB=P01706	Immunoglobulin lambda variable 2-11;IGLV2-11;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=1745 UniProtKB=O00311	Cell division cycle 7-related protein kinase;CDC7;ortholog	non-receptor serine/threonine protein kinase(PC00167)
HUMAN HGNC=15588 UniProtKB=Q96C24	Synaptotagmin-like protein 4;SYTL4;ortholog	
HUMAN HGNC=5043 UniProtKB=P31942	Heterogeneous nuclear ribonucleoprotein H3;HNRNPH3;ortholog	RNA splicing factor(PC00148)
HUMAN HGNC=1459 UniProtKB=Q14012	Calcium/calmodulin-dependent protein kinase type 1;CAMK1;ortholog	non-receptor serine/threonine protein kinase(PC00167)

HUMAN HGNC=2362 UniProtKB=P46108	Adapter molecule crk;CRK;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=7734 UniProtKB=P07197	Neurofilament medium polypeptide;NEFM;ortholog	
HUMAN HGNC=15935 UniProtKB=Q9H4I2	Zinc fingers and homeoboxes protein 3;ZHX3;ortholog	homeodomain transcription factor(PC00119)
HUMAN HGNC=1365 UniProtKB=Q9UGQ2	Calcium channel flower homolog;CACFD1;ortholog	
HUMAN HGNC=16831 UniProtKB=O95153	Peripheral-type benzodiazepine receptor-associated protein 1;TSPOAP1;ortholog	
HUMAN HGNC=5619 UniProtKB=A0A0C4DH42	Immunoglobulin heavy variable 3-66;IGHV3-66;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=3757 UniProtKB=O75955	Flotillin-1;FLOT1;ortholog	
HUMAN HGNC=775 UniProtKB=P01008	Antithrombin-III;SERPINC1;ortholog	protease inhibitor(PC00191)
HUMAN HGNC=800 UniProtKB=P50993	Sodium/potassium-transporting ATPase subunit alpha-2;ATP1A2;ortholog	primary active transporter(PC00068)
HUMAN HGNC=612 UniProtKB=P05090	Apolipoprotein D;APOD;ortholog	apolipoprotein(PC00052)
HUMAN HGNC=655 UniProtKB=P18085	ADP-ribosylation factor 4;ARF4;ortholog	G-protein(PC00020)
HUMAN HGNC=25364 UniProtKB=Q9H0R4	Haloacid dehalogenase-like hydrolase domain-containing protein 2;HDHD2;ortholog	phosphatase(PC00181)
HUMAN HGNC=6513 UniProtKB=Q14847	LIM and SH3 domain protein 1;LASP1;ortholog	
HUMAN HGNC=4384 UniProtKB=P63096	Guanine nucleotide-binding protein G(i) subunit alpha-1;GNAI1;ortholog	heterotrimeric G-protein(PC00117)
HUMAN HGNC=11834 UniProtKB=P29401	Transketolase;TKT;ortholog	transketolase(PC00221)
HUMAN HGNC=4116 UniProtKB=Q14376	UDP-glucose 4-epimerase;GALE;ortholog	epimerase/racemase(PC00096)
HUMAN HGNC=14906 UniProtKB=Q8N4C6	Ninein;NIN;ortholog	
HUMAN HGNC=6047 UniProtKB=Q16891	MICOS complex subunit MIC60;IMMT;ortholog	
HUMAN HGNC=25564 UniProtKB=Q9NVJ2	ADP-ribosylation factor-like protein 8B;ARL8B;ortholog	
HUMAN HGNC=18396 UniProtKB=O95969	Secretoglobin family 1D member 2;SCGB1D2;ortholog	transfer/carrier protein(PC00219)
HUMAN HGNC=1546 UniProtKB=P50454	Serpin H1;SERPINH1;ortholog	protease inhibitor(PC00191)
HUMAN HGNC=11387 UniProtKB=P31948	Stress-induced-phosphoprotein 1;STIP1;ortholog	
HUMAN HGNC=8905 UniProtKB=P36871	Phosphoglucomutase-1;PGM1;ortholog	mutase(PC00160)
HUMAN HGNC=5270 UniProtKB=P25685	DnaJ homolog subfamily B member 1;DNAJB1;ortholog	chaperone(PC00072)
HUMAN HGNC=5383 UniProtKB=P48735	Isocitrate dehydrogenase [NADP], mitochondrial;IDH2;ortholog	dehydrogenase(PC00092)
HUMAN HGNC=20675 UniProtKB=Q96KN2	Beta-Ala-His dipeptidase;CNDP1;ortholog	metalloprotease(PC00153)

HUMAN HGNC=9552 UniProtKB=P62195	26S proteasome regulatory subunit 8;PSMC5;ortholog	protease(PC00190)
HUMAN HGNC=11180 UniProtKB=P04179	Superoxide dismutase [Mn], mitochondrial;SOD2;ortholog	oxidoreductase(PC00176)
HUMAN HGNC=17717 UniProtKB=Q9UEW8	STE20/SPS1-related proline-alanine-rich protein kinase;STK39;ortholog	
HUMAN HGNC=5888 UniProtKB=P01704	Immunoglobulin lambda variable 2-14;IGLV2-14;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=11609 UniProtKB=P24557	Thromboxane-A synthase;TBXAS1;ortholog	isomerase(PC00135)
HUMAN HGNC=18002 UniProtKB=Q9NS69	Mitochondrial import receptor subunit TOM22 homolog;TOMM22;ortholog	primary active transporter(PC00068)
HUMAN HGNC=12405 UniProtKB=P02766	Transthyretin;TTR;ortholog	hydrolase(PC00121)
HUMAN HGNC=9846 UniProtKB=P62826	GTP-binding nuclear protein Ran;RAN;ortholog	small GTPase(PC00208)
HUMAN HGNC=3658 UniProtKB=Q9UGM5	Fetuin-B;FETUB;ortholog	protease inhibitor(PC00191)
HUMAN HGNC=11582 UniProtKB=Q15813	Tubulin-specific chaperone E;TBCE;ortholog	chaperone(PC00072)
HUMAN HGNC=9855 UniProtKB=P62834	Ras-related protein Rap-1A;RAP1A;ortholog	small GTPase(PC00208)
HUMAN HGNC=812 UniProtKB=P16615	Sarcoplasmic/endoplasmic reticulum calcium ATPase 2;ATP2A2;ortholog	primary active transporter(PC00068)
HUMAN HGNC=11131 UniProtKB=O00161	Synaptosomal-associated protein 23;SNAP23;ortholog	SNARE protein(PC00034)
HUMAN HGNC=9621 UniProtKB=Q6IBS0	Twinfilin-2;TWF2;ortholog	non-motor actin binding protein(PC00165)
HUMAN HGNC=659 UniProtKB=P62330	ADP-ribosylation factor 6;ARF6;ortholog	G-protein(PC00020)
HUMAN HGNC=2717 UniProtKB=Q16531	DNA damage-binding protein 1;DDB1;ortholog	RNA processing factor(PC00147)
HUMAN HGNC=10839 UniProtKB=P04278	Sex hormone-binding globulin;SHBG;ortholog	
HUMAN HGNC=361 UniProtKB=P00568	Adenylate kinase isoenzyme 1;AK1;ortholog	nucleotide kinase(PC00172)
HUMAN HGNC=26224 UniProtKB=Q9H5Z6	Protein FAM124B;FAM124B;ortholog	
HUMAN HGNC=2464 UniProtKB=P13611	Versican core protein;VCAN;ortholog	extracellular matrix glycoprotein(PC00100)
HUMAN HGNC=10055 UniProtKB=Q8N5U6	RING finger protein 10;RNF10;ortholog	
HUMAN HGNC=5930 UniProtKB=A0A075B6I9	Immunoglobulin lambda variable 7-46;IGLV7-46;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=8016 UniProtKB=P46459	Vesicle-fusing ATPase;NSF;ortholog	membrane traffic protein(PC00150)
HUMAN HGNC=26022 UniProtKB=Q7L0Y3	tRNA methyltransferase 10 homolog C;TRMT10C;ortholog	RNA methyltransferase(PC00033)
HUMAN HGNC=1325 UniProtKB=P04003	C4b-binding protein alpha chain;C4BPA;ortholog	
HUMAN HGNC=26200 UniProtKB=Q9H668	CST complex subunit STN1;STN1;ortholog	

HUMAN HGNC=9944 UniProtKB=P35241	Radixin;RDX;ortholog	actin or actin-binding cytoskeletal protein(PC00041)
HUMAN HGNC=2431 UniProtKB=P55060	Exportin-2;CSE1L;ortholog	transporter(PC00227)
HUMAN HGNC=2090 UniProtKB=P09496	Clathrin light chain A;CLTA;ortholog	vesicle coat protein(PC00235)
HUMAN HGNC=13572 UniProtKB=Q9Y6R7	IgGFc-binding protein;FCGBP;ortholog	extracellular matrix protein(PC00102)
HUMAN HGNC=10469 UniProtKB=O95197	Reticulon-3;RTN3;ortholog	
HUMAN HGNC=3600 UniProtKB=P23142	Fibulin-1;FBLN1;ortholog	
HUMAN HGNC=3353 UniProtKB=P09104	Gamma-enolase;ENO2;ortholog	lyase(PC00144)
HUMAN HGNC=12028 UniProtKB=P14625	Endoplasmin;HSP90B1;ortholog	Hsp90 family chaperone(PC00028)
HUMAN HGNC=29585 UniProtKB=Q8N6V9	Testis-expressed protein 9;TEX9;ortholog	actin binding motor protein(PC00040)
HUMAN HGNC=2265 UniProtKB=P13073	Cytochrome c oxidase subunit 4 isoform 1, mitochondrial;COX4I1;ortholog	oxidase(PC00175)
HUMAN HGNC=26161 UniProtKB=P57737	Coronin-7;CORO7;ortholog	non-motor actin binding protein(PC00165)
HUMAN HGNC=21314 UniProtKB=Q8WXC6	COP9 signalosome complex subunit 9;COPS9;ortholog	
HUMAN HGNC=9055 UniProtKB=Q00722	1-phosphatidylinositol 4,5-bisphosphate phosphodiesterase beta-2;PLCB2;ortholog	phospholipase(PC00186)
HUMAN HGNC=19071 UniProtKB=Q86V81	THO complex subunit 4;ALYREF;ortholog	RNA metabolism protein(PC00031)
HUMAN HGNC=16476 UniProtKB=Q9H0E2	Toll-interacting protein;TOLLIP;ortholog	
HUMAN HGNC=8912 UniProtKB=P35232	Prohibitin;PHB;ortholog	
HUMAN HGNC=1473 UniProtKB=P27824	Calnexin;CANX;ortholog	chaperone(PC00072)
HUMAN HGNC=1063 UniProtKB=P30043	Flavin reductase (NADPH);BLVRB;ortholog	reductase(PC00198)
HUMAN HGNC=554 UniProtKB=Q10567	AP-1 complex subunit beta-1;AP1B1;ortholog	membrane traffic protein(PC00150)
HUMAN HGNC=6526 UniProtKB=P80188	Neutrophil gelatinase-associated lipocalin;LCN2;ortholog	transfer/carrier protein(PC00219)
HUMAN HGNC=833 UniProtKB=P36542	ATP synthase subunit gamma, mitochondrial;ATP5F1C;ortholog	ATP synthase(PC00002)
HUMAN HGNC=3624 UniProtKB=Q15485	Ficolin-2;FCN2;ortholog	intercellular signal molecule(PC00207)
HUMAN HGNC=5606 UniProtKB=P01763	Immunoglobulin heavy variable 3-48;IGHV3-48;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=14569 UniProtKB=Q9UK76	Jupiter microtubule associated homolog 1;JPT1;ortholog	
HUMAN HGNC=10701 UniProtKB=Q15436	Protein transport protein Sec23A;SEC23A;ortholog	vesicle coat protein(PC00235)
HUMAN HGNC=12644 UniProtKB=Q15836	Vesicle-associated membrane protein 3;VAMP3;ortholog	

HUMAN HGNC=11168 UniProtKB=Q13884	Beta-1-syntrophin;SNTB1;ortholog	
HUMAN HGNC=7716 UniProtKB=P49821	NADH dehydrogenase [ubiquinone] flavoprotein 1, mitochondrial;NDUFV1;ortholog	oxidoreductase(PC00176)
HUMAN HGNC=5905 UniProtKB=P80748	Immunoglobulin lambda variable 3-21;IGLV3-21;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=4298 UniProtKB=P16278	Beta-galactosidase;GLB1;ortholog	galactosidase(PC00104)
HUMAN HGNC=16969 UniProtKB=Q92598	Heat shock protein 105 kDa;HSPH1;ortholog	
HUMAN HGNC=12724 UniProtKB=P04004	Vitronectin;VTN;ortholog	
HUMAN HGNC=253 UniProtKB=P11766	Alcohol dehydrogenase class-3;ADH5;ortholog	dehydrogenase(PC00092)
HUMAN HGNC=2973 UniProtKB=O00429	Dynamin-1-like protein;DNM1L;ortholog	membrane traffic protein(PC00150)
HUMAN HGNC=170 UniProtKB=P61158	Actin-related protein 3;ACTR3;ortholog	actin and actin related protein(PC00039)
HUMAN HGNC=12463 UniProtKB=P0CG47	Polyubiquitin-B;UBB;ortholog	
HUMAN HGNC=30866 UniProtKB=Q8IX04	Ubiquitin-conjugating enzyme E2 variant 3;UEVLD;ortholog	ubiquitin-protein ligase(PC00234)
HUMAN HGNC=4844 UniProtKB=P14317	Hematopoietic lineage cell-specific protein;HCLS1;ortholog	non-motor actin binding protein(PC00165)
HUMAN HGNC=9922 UniProtKB=P02753	Retinol-binding protein 4;RBP4;ortholog	transfer/carrier protein(PC00219)
HUMAN HGNC=3616 UniProtKB=P12318	Low affinity immunoglobulin gamma Fc region receptor II-a;FCGR2A;ortholog	immunoglobulin receptor superfamily(PC00124)
HUMAN HGNC=11579 UniProtKB=O75347	Tubulin-specific chaperone A;TBCA;ortholog	chaperonin(PC00073)
HUMAN HGNC=30389 UniProtKB=Q96A65	Exocyst complex component 4;EXOC4;ortholog	membrane traffic protein(PC00150)
HUMAN Ensembl=ENSGO0000282639 UniProtKB=A0A0J9YX35	Immunoglobulin heavy variable 3-64D;IGHV3-64D;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=26195 UniProtKB=Q86XH1	Dynein regulatory complex protein 11;IQCA1;ortholog	
HUMAN HGNC=20120 UniProtKB=Q17RC7	Exocyst complex component 3-like protein 4;EXOC3L4;ortholog	membrane traffic protein(PC00150)
HUMAN HGNC=10372 UniProtKB=P05386	60S acidic ribosomal protein P1;RPLP1;ortholog	ribosomal protein(PC00202)
HUMAN HGNC=28235 UniProtKB=Q96IU4	Protein ABHD14B;ABHD14B;ortholog	
HUMAN HGNC=19267 UniProtKB=Q8NFP4	MAM domain-containing glycosylphosphatidylinositol anchor protein 1;MDGA1;ortholog	
HUMAN HGNC=9535 UniProtKB=P60900	Proteasome subunit alpha type-6;PSMA6;ortholog	protease(PC00190)
HUMAN HGNC=1742 UniProtKB=P50851	Lipopolysaccharide-responsive and beige-like anchor protein;LRBA;ortholog	
HUMAN HGNC=19194 UniProtKB=Q96RW7	Hemicentin-1;HMCN1;ortholog	
HUMAN HGNC=380 UniProtKB=P14550	Aldo-keto reductase family 1 member A1;AKR1A1;ortholog	reductase(PC00198)

HUMAN HGNC=9069 UniProtKB=Q15149	Plectin;PLEC;ortholog	intermediate filament binding protein(PC00130)
HUMAN HGNC=6876 UniProtKB=Q16539	Mitogen-activated protein kinase 14;MAPK14;ortholog	non-receptor serine/threonine protein kinase(PC00167)
HUMAN HGNC=30384 UniProtKB=Q9UMX5	Neudesin;NENF;ortholog	transmembrane signal receptor(PC00197)
HUMAN HGNC=15679 UniProtKB=Q8WZ74	Cortactin-binding protein 2;CTTNBP2;ortholog	
HUMAN HGNC=20774 UniProtKB=P04350	Tubulin beta-4A chain;TUBB4A;ortholog	tubulin(PC00228)
HUMAN HGNC=14237 UniProtKB=Q96NT3	Protein GUCD1;GUCD1;ortholog	guanylate cyclase(PC00114)
HUMAN HGNC=14511 UniProtKB=P82663	28S ribosomal protein S25, mitochondrial;MRPS25;ortholog	ribosomal protein(PC00202)
HUMAN HGNC=14545 UniProtKB=Q8IV61	Ras guanyl-releasing protein 3;RASGRP3;ortholog	guanyl-nucleotide exchange factor(PC00113)
HUMAN HGNC=14362 UniProtKB=Q7Z5P9	Mucin-19;MUC19;ortholog	
HUMAN HGNC=18807 UniProtKB=O94983	Calmodulin-binding transcription activator 2;CAMTA2;ortholog	DNA-binding transcription factor(PC00218)
HUMAN HGNC=11231 UniProtKB=Q8WXF7	Atlastin-1;ATL1;ortholog	heterotrimeric G-protein(PC00117)
HUMAN HGNC=12476 UniProtKB=P61077	Ubiquitin-conjugating enzyme E2 D3;UBE2D3;ortholog	ubiquitin-protein ligase(PC00234)
HUMAN HGNC=6142 UniProtKB=P23229	Integrin alpha-6;ITGA6;ortholog	integrin(PC00126)
HUMAN HGNC=20356 UniProtKB=Q9BXV9	EKC/KEOPS complex subunit GON7;GON7;ortholog	
HUMAN HGNC=16937 UniProtKB=O75915	PRA1 family protein 3;ARL6IP5;ortholog	amino acid transporter(PC00046)
HUMAN HGNC=26378 UniProtKB=Q8N7C3	Probable E3 ubiquitin-protein ligase TRIML2;TRIML2;ortholog	ubiquitin-protein ligase(PC00234)
HUMAN HGNC=6149 UniProtKB=P11215	Integrin alpha-M;ITGAM;ortholog	integrin(PC00126)
HUMAN HGNC=13520 UniProtKB=Q14696	LRP chaperone MESD;MESD;ortholog	
HUMAN HGNC=3265 UniProtKB=P05198	Eukaryotic translation initiation factor 2 subunit 1;EIF2S1;ortholog	translation initiation factor(PC00224)
HUMAN HGNC=19388 UniProtKB=P49593	Protein phosphatase 1F;PPM1F;ortholog	protein phosphatase(PC00195)
HUMAN HGNC=3297 UniProtKB=P78344	Eukaryotic translation initiation factor 4 gamma 2;EIF4G2;ortholog	translation initiation factor(PC00224)
HUMAN HGNC=5657 UniProtKB=P0DP08	Immunoglobulin heavy variable 4-38-2;IGHV4-38-2;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=1615 UniProtKB=P78371	T-complex protein 1 subunit beta;CCT2;ortholog	chaperonin(PC00073)
HUMAN HGNC=5553 UniProtKB=A0A0A0MS14	Immunoglobulin heavy variable 1-45;IGHV1-45;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=20766 UniProtKB=Q71U36	Tubulin alpha-1A chain;TUBA1A;ortholog	tubulin(PC00228)
HUMAN HGNC=226 UniProtKB=P78563	Double-stranded RNA-specific editase 1;ADARB1;ortholog	RNA metabolism protein(PC00031)

HUMAN HGNC=12590 UniProtKB=P07919	Cytochrome b-c1 complex subunit 6, mitochondrial;UQCRH;ortholog	reductase(PC00198)
HUMAN HGNC=8903 UniProtKB=Q95336	6-phosphogluconolactonase;PGLS;ortholog	hydrolase(PC00121)
HUMAN HGNC=9788 UniProtKB=P51149	Ras-related protein Rab-7a;RAB7A;ortholog	
HUMAN HGNC=20434 UniProtKB=Q86YW5	Trem-like transcript 1 protein;TREML1;ortholog	immunoglobulin receptor superfamily(PC00124)
HUMAN HGNC=9554 UniProtKB=Q99460	26S proteasome non-ATPase regulatory subunit 1;PSMD1;ortholog	protease(PC00190)
HUMAN HGNC=3755 UniProtKB=O75369	Filamin-B;FLNB;ortholog	
HUMAN HGNC=55 UniProtKB=O15439	Multidrug resistance-associated protein 4;ABCC4;ortholog	ATP-binding cassette (ABC) transporter(PC00003)
HUMAN HGNC=5861 UniProtKB=A0M8Q6	Immunoglobulin lambda constant 7;IGLC7;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=24878 UniProtKB=Q9BVK6	Transmembrane emp24 domain-containing protein 9;TMED9;ortholog	vesicle coat protein(PC00235)
HUMAN HGNC=5528 UniProtKB=P01861	Immunoglobulin heavy constant gamma 4;IGHG4;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=5588 UniProtKB=P01764	Immunoglobulin heavy variable 3-23;IGHV3-23;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=26639 UniProtKB=Q8NBI6	Xyloside xylosyltransferase 1;XXYLT1;ortholog	transferase(PC00220)
HUMAN HGNC=25346 UniProtKB=Q5RHP9	Glutamate-rich protein 3;ERICH3;ortholog	
HUMAN HGNC=2690 UniProtKB=P07108	Acyl-CoA-binding protein;DBI;ortholog	transfer/carrier protein(PC00219)
HUMAN HGNC=23845 UniProtKB=Q8IY92	Structure-specific endonuclease subunit SLX4;SLX4;ortholog	
HUMAN HGNC=82 UniProtKB=P09110	3-ketoacyl-CoA thiolase, peroxisomal;ACAA1;ortholog	acetyltransferase(PC00038)
HUMAN HGNC=23212 UniProtKB=Q7Z406	Myosin-14;MYH14;ortholog	
HUMAN HGNC=5659 UniProtKB=A0A0C4DH38	Immunoglobulin heavy variable 5-51;IGHV5-51;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=2313 UniProtKB=P22792	Carboxypeptidase N subunit 2;CPN2;ortholog	transmembrane signal receptor(PC00197)
HUMAN HGNC=118 UniProtKB=Q99798	Aconitate hydratase, mitochondrial;ACO2;ortholog	hydratase(PC00120)
HUMAN HGNC=5825 UniProtKB=A0A0C4DH25	Immunoglobulin kappa variable 3D-20;IGKV3D-20;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=5525 UniProtKB=P01857	Immunoglobulin heavy constant gamma 1;IGHG1;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=25087 UniProtKB=Q8IWE2	Protein NOXP20;FAM114A1;ortholog	
HUMAN HGNC=29284 UniProtKB=Q9P265	Disco-interacting protein 2 homolog B;DIP2B;ortholog	
HUMAN HGNC=2850 UniProtKB=Q9Y6T7	Diacylglycerol kinase beta;DGKB;ortholog	kinase(PC00137)
HUMAN HGNC=6737 UniProtKB=O75608	Acyl-protein thioesterase 1;LYPLA1;ortholog	phospholipase(PC00186)
HUMAN HGNC=9666 UniProtKB=P08575	Receptor-type tyrosine-protein phosphatase C;PTPRC;ortholog	protein phosphatase(PC00195)



HUMAN HGNC=6890 UniProtKB=Q15691	Microtubule-associated protein RP/EB family member 1;MAPRE1;ortholog	non-motor microtubule binding protein(PC00166)
HUMAN HGNC=1346 UniProtKB=P10643	Complement component C7;C7;ortholog	
HUMAN HGNC=25490 UniProtKB=Q96HA8	Protein N-terminal glutamine amidohydrolase;NTAQ1;ortholog	
HUMAN HGNC=4244 UniProtKB=O00451	GDNF family receptor alpha-2;GFRA2;ortholog	transmembrane signal receptor(PC00197)
HUMAN HGNC=15722 UniProtKB=Q8WXQ8	Carboxypeptidase A5;CPA5;ortholog	metalloprotease(PC00153)
HUMAN HGNC=5563 UniProtKB=A0A075B7D0	Ig-like domain-containing protein;IGHV1OR15-1;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=10840 UniProtKB=P29353	SHC-transforming protein 1;SHC1;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=27302 UniProtKB=Q5T440	Putative transferase CAF17, mitochondrial;IBA57;ortholog	
HUMAN HGNC=5141 UniProtKB=P00738	Haptoglobin;HP;ortholog	serine protease(PC00203)
HUMAN HGNC=9349 UniProtKB=Q9NQX1	PR domain zinc finger protein 5;PRDM5;ortholog	C2H2 zinc finger transcription factor(PC00248)
HUMAN HGNC=2711 UniProtKB=Q14203	Dynactin subunit 1;DCTN1;ortholog	chaperone(PC00072)
HUMAN HGNC=10404 UniProtKB=P15880	40S ribosomal protein S2;RPS2;ortholog	ribosomal protein(PC00202)
HUMAN HGNC=3011 UniProtKB=Q07507	Dermatopontin;DPT;ortholog	cell adhesion molecule(PC00069)
HUMAN HGNC=16053 UniProtKB=Q8N1V2	Cilia- and flagella-associated protein 52;CFAP52;ortholog	
HUMAN HGNC=23818 UniProtKB=Q14684	Ribosomal RNA processing protein 1 homolog B;RRP1B;ortholog	
HUMAN HGNC=2482 UniProtKB=P04080	Cystatin-B;CSTB;ortholog	protease inhibitor(PC00191)
HUMAN HGNC=813 UniProtKB=Q93084	Sarcoplasmic/endoplasmic reticulum calcium ATPase 3;ATP2A3;ortholog	primary active transporter(PC00068)
HUMAN HGNC=9813 UniProtKB=P54727	UV excision repair protein RAD23 homolog B;RAD23B;ortholog	damaged DNA-binding protein(PC00086)
HUMAN HGNC=117 UniProtKB=P21399	Cytoplasmic aconitate hydratase;ACO1;ortholog	RNA metabolism protein(PC00031)
HUMAN HGNC=8906 UniProtKB=Q96G03	Phosphoglucomutase-2;PGM2;ortholog	mutase(PC00160)
HUMAN HGNC=463 UniProtKB=Q9UKV5	E3 ubiquitin-protein ligase AMFR;AMFR;ortholog	ubiquitin-protein ligase(PC00234)
HUMAN HGNC=13061 UniProtKB=Q14587	Zinc finger protein 268;ZNF268;ortholog	C2H2 zinc finger transcription factor(PC00248)
HUMAN HGNC=7687 UniProtKB=O00483	Cytochrome c oxidase subunit NDUFA4;NDUFA4;ortholog	oxidoreductase(PC00176)
HUMAN HGNC=15532 UniProtKB=Q9BX67	Junctional adhesion molecule C;JAM3;ortholog	
HUMAN HGNC=30594 UniProtKB=Q9H3U1	Protein unc-45 homolog A;UNC45A;ortholog	
HUMAN HGNC=9761 UniProtKB=Q15907	Ras-related protein Rab-11B;RAB11B;ortholog	

HUMAN HGNC=5244 UniProtKB=P38646	Stress-70 protein, mitochondrial;HSPA9;ortholog	
HUMAN HGNC=4851 UniProtKB=P42858	Huntingtin;HTT;ortholog	
HUMAN HGNC=11869 UniProtKB=Q9UHN6	Cell surface hyaluronidase;CEMIP2;ortholog	
HUMAN HGNC=7515 UniProtKB=P98088	Mucin-5AC;MUC5AC;ortholog	extracellular matrix protein(PC00102)
HUMAN HGNC=7198 UniProtKB=Q86VD1	MORC family CW-type zinc finger protein 1;MORC1;ortholog	
HUMAN HGNC=1354 UniProtKB=P07360	Complement component C8 gamma chain;C8G;ortholog	
HUMAN HGNC=11740 UniProtKB=P02787	Serotransferrin;TF;ortholog	transfer/carrier protein(PC00219)
HUMAN HGNC=6971 UniProtKB=P40926	Malate dehydrogenase, mitochondrial;MDH2;ortholog	dehydrogenase(PC00092)
HUMAN HGNC=34489 UniProtKB=A8K5M9	Uncharacterized protein C15orf62, mitochondrial;C15orf62;ortholog	
HUMAN HGNC=30004 UniProtKB=P0DMN0	Sulfotransferase 1A4;SULT1A4;ortholog	transferase(PC00220)
HUMAN HGNC=10992 UniProtKB=P12236	ADP/ATP translocase 3;SLC25A6;ortholog	transfer/carrier protein(PC00219)
HUMAN HGNC=17474 UniProtKB=Q96AP7	Endothelial cell-selective adhesion molecule;ESAM;ortholog	
HUMAN HGNC=4762 UniProtKB=P57053	Histone H2B type F-S;H2BS1;ortholog	histone(PC00118)
HUMAN HGNC=17894 UniProtKB=Q14966	Zinc finger protein 638;ZNF638;ortholog	
HUMAN HGNC=12691 UniProtKB=P15311	Ezrin;EZR;ortholog	actin or actin-binding cytoskeletal protein(PC00041)
HUMAN HGNC=3354 UniProtKB=P13929	Beta-enolase;ENO3;ortholog	lyase(PC00144)
HUMAN HGNC=7568 UniProtKB=P35580	Myosin-10;MYH10;ortholog	
HUMAN HGNC=16804 UniProtKB=O00308	NEDD4-like E3 ubiquitin-protein ligase WWP2;WWP2;ortholog	ubiquitin-protein ligase(PC00234)
HUMAN HGNC=10494 UniProtKB=P26447	Protein S100-A4;S100A4;ortholog	calmodulin-related(PC00061)
HUMAN HGNC=19747 UniProtKB=Q86UK5	Limbin;EVC2;ortholog	
HUMAN HGNC=8766 UniProtKB=Q8WUM4	Programmed cell death 6-interacting protein;PDCD6IP;ortholog	membrane traffic protein(PC00150)
HUMAN HGNC=3252 UniProtKB=O14602	Eukaryotic translation initiation factor 1A, Y-chromosomal;EIF1AY;ortholog	translation initiation factor(PC00224)
HUMAN HGNC=25234 UniProtKB=Q9BUV0	Arginine/serine-rich protein 1;RSRP1;ortholog	
HUMAN HGNC=19155 UniProtKB=P57773	Gap junction alpha-9 protein;GJA9;ortholog	gap junction(PC00105)
HUMAN HGNC=8569 UniProtKB=P29122	Proprotein convertase subtilisin/kexin type 6;PCSK6;ortholog	serine protease(PC00203)
HUMAN HGNC=28477 UniProtKB=Q8NBM8	Prenylcysteine oxidase-like;PCYOX1L;ortholog	lyase(PC00144)

HUMAN HGNC=23243 UniProtKB=Q9NQR7	Coiled-coil domain-containing protein 177;CCDC177;ortholog	
HUMAN HGNC=24103 UniProtKB=Q9H1I8	Activating signal cointegrator 1 complex subunit 2;ASCC2;ortholog	
HUMAN HGNC=5817 UniProtKB=P01619	Immunoglobulin kappa variable 3-20;IGKV3-20;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=23168 UniProtKB=Q8IYD8	Fanconi anemia group M protein;FANCM;ortholog	DNA metabolism protein(PC00009)
HUMAN HGNC=6427 UniProtKB=Q04695	Keratin, type I cytoskeletal 17;KRT17;ortholog	
HUMAN HGNC=26363 UniProtKB=Q86YJ7	Ankyrin repeat domain-containing protein 13B;ANKRD13B;ortholog	
HUMAN HGNC=9758 UniProtKB=P62820	Ras-related protein Rab-1A;RAB1A;ortholog	
HUMAN HGNC=18142 UniProtKB=Q9Y4D1	Disheveled-associated activator of morphogenesis 1;DAAM1;ortholog	
HUMAN HGNC=21685 UniProtKB=Q6YHK3	CD109 antigen;CD109;ortholog	protease inhibitor(PC00191)
HUMAN HGNC=15527 UniProtKB=Q86Z14	Beta-klotho;KLB;ortholog	glycosidase(PC00110)
HUMAN HGNC=15985 UniProtKB=Q4LDE5	Sushi, von Willebrand factor type A, EGF and pentraxin domain-containing protein 1;SVEP1;ortholog	
HUMAN HGNC=12586 UniProtKB=P22695	Cytochrome b-c1 complex subunit 2, mitochondrial;UQCRC2;ortholog	metalloprotease(PC00153)
HUMAN HGNC=8891 UniProtKB=P52209	6-phosphogluconate dehydrogenase, decarboxylating;PGD;ortholog	dehydrogenase(PC00092)
HUMAN HGNC=14669 UniProtKB=P81605	Dermcidin;DCD;ortholog	
HUMAN HGNC=9533 UniProtKB=P25789	Proteasome subunit alpha type-4;PSMA4;ortholog	protease(PC00190)
HUMAN HGNC=1050 UniProtKB=P55957	BH3-interacting domain death agonist;BID;ortholog	
HUMAN HGNC=9785 UniProtKB=P51148	Ras-related protein Rab-5C;RAB5C;ortholog	
HUMAN HGNC=6501 UniProtKB=P13473	Lysosome-associated membrane glycoprotein 2;LAMP2;ortholog	membrane trafficking regulatory protein(PC00151)
HUMAN HGNC=15480 UniProtKB=Q9NSV4	Protein diaphanous homolog 3;DIAPH3;ortholog	
HUMAN HGNC=3540 UniProtKB=Q96RI0	Proteinase-activated receptor 4;F2RL3;ortholog	G-protein coupled receptor(PC00021)
HUMAN HGNC=2911 UniProtKB=P36957	Dihydrolipoyllysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial;DLST;ortholog	transferase(PC00220)
HUMAN HGNC=13954 UniProtKB=O60814	Histone H2B type 1-K;H2BC12;ortholog	histone(PC00118)
HUMAN HGNC=25501 UniProtKB=Q9NW68	BSD domain-containing protein 1;BSDC1;ortholog	
HUMAN HGNC=5479 UniProtKB=P01877	Immunoglobulin heavy constant alpha 2;IGHA2;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=2678 UniProtKB=P14868	Aspartate--tRNA ligase, cytoplasmic;DARS1;ortholog	aminoacyl-tRNA synthetase(PC00047)

HUMAN HGNC=1743 UniProtKB=Q99459	Cell division cycle 5-like protein;CDC5L;ortholog	
HUMAN HGNC=18647 UniProtKB=Q8WWV3	Reticulon-4-interacting protein 1, mitochondrial;RTN4IP1;ortholog	dehydrogenase(PC00092)
HUMAN HGNC=10608 UniProtKB=P47872	Secretin receptor;SCTR;ortholog	transmembrane signal receptor(PC00197)
HUMAN HGNC=51815 UniProtKB=A0A1W2PPM1	Cytoplasmic polyadenylated homeobox-like;CPHXL;ortholog	homeodomain transcription factor(PC00119)
HUMAN HGNC=561 UniProtKB=O95782	AP-2 complex subunit alpha-1;AP2A1;ortholog	membrane traffic protein(PC00150)
HUMAN HGNC=1874 UniProtKB=P23528	Cofilin-1;CFL1;ortholog	non-motor actin binding protein(PC00165)
HUMAN HGNC=11408 UniProtKB=Q13043	Serine/threonine-protein kinase 4;STK4;ortholog	non-receptor serine/threonine protein kinase(PC00167)
HUMAN HGNC=3534 UniProtKB=P05160	Coagulation factor XIII B chain;F13B;ortholog	
HUMAN HGNC=15848 UniProtKB=Q14141	Septin-6;SEPTIN6;ortholog	cytoskeletal protein(PC00085)
HUMAN HGNC=30282 UniProtKB=Q3MIN7	Ral guanine nucleotide dissociation stimulator-like 3;RGL3;ortholog	guanyl-nucleotide exchange factor(PC00113)
HUMAN HGNC=26664 UniProtKB=Q8N841	Tubulin polyglutamylase TTL6;TTL6;ortholog	microtubule or microtubule-binding cytoskeletal protein(PC00157)
HUMAN HGNC=25648 UniProtKB=Q8N5J2	Ubiquitin carboxyl-terminal hydrolase MINDY-1;MINDY1;ortholog	
HUMAN HGNC=29084 UniProtKB=O75123	Zinc finger protein 623;ZNF623;ortholog	
HUMAN HGNC=29608 UniProtKB=Q86UE4	Protein LYRIC;MTDH;ortholog	
HUMAN HGNC=16298 UniProtKB=Q504T8	Midnolin;MIDN;ortholog	
HUMAN HGNC=14388 UniProtKB=Q9HCN6	Platelet glycoprotein VI;GP6;ortholog	immunoglobulin receptor superfamily(PC00124)
HUMAN HGNC=12879 UniProtKB=P21506	Zinc finger protein 10;ZNF10;ortholog	C2H2 zinc finger transcription factor(PC00248)
HUMAN HGNC=23147 UniProtKB=Q70J99	Protein unc-13 homolog D;UNC13D;ortholog	
HUMAN HGNC=12591 UniProtKB=P06132	Uroporphyrinogen decarboxylase;UROD;ortholog	methyltransferase(PC00155)
HUMAN HGNC=12665 UniProtKB=P18206	Vinculin;VCL;ortholog	
HUMAN HGNC=9859 UniProtKB=P52306	Rap1 GTPase-GDP dissociation stimulator 1;RAP1GDS1;ortholog	
HUMAN HGNC=555 UniProtKB=O43747	AP-1 complex subunit gamma-1;AP1G1;ortholog	membrane traffic protein(PC00150)
HUMAN HGNC=28422 UniProtKB=Q8NCE0	tRNA-splicing endonuclease subunit Sen2;TSEN2;ortholog	endodeoxyribonuclease(PC00093)
HUMAN HGNC=25654 UniProtKB=Q86YA3	Protein ZGRF1;ZGRF1;ortholog	

HUMAN HGNC=992 UniProtKB=Q07817	Bcl-2-like protein 1;BCL2L1;ortholog	
HUMAN HGNC=492 UniProtKB=P16157	Ankyrin-1;ANK1;ortholog	
HUMAN HGNC=23416 UniProtKB=Q641Q2	WASH complex subunit 2A;WASHC2A;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=2230 UniProtKB=P53621	Coatamer subunit alpha;COPA;ortholog	vesicle coat protein(PC00235)
HUMAN HGNC=25620 UniProtKB=Q8WWA1	Transmembrane protein 40;TMEM40;ortholog	
HUMAN HGNC=6156 UniProtKB=P05106	Integrin beta-3;ITGB3;ortholog	integrin(PC00126)
HUMAN HGNC=6412 UniProtKB=P04264	Keratin, type II cytoskeletal 1;KRT1;ortholog	
HUMAN HGNC=9253 UniProtKB=P62937	Peptidyl-prolyl cis-trans isomerase A;PPIA;ortholog	chaperone(PC00072)
HUMAN HGNC=5741 UniProtKB=P01602	Immunoglobulin kappa variable 1-5;IGKV1-5;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=13485 UniProtKB=Q9BXU7	Ubiquitin carboxyl-terminal hydrolase 26;USP26;ortholog	cysteine protease(PC00081)
HUMAN HGNC=9354 UniProtKB=P30048	Thioredoxin-dependent peroxide reductase, mitochondrial;PRDX3;ortholog	peroxidase(PC00180)
HUMAN HGNC=12492 UniProtKB=P61088	Ubiquitin-conjugating enzyme E2 N;UBE2N;ortholog	ubiquitin-protein ligase(PC00234)
HUMAN HGNC=251 UniProtKB=P00326	Alcohol dehydrogenase 1C;ADH1C;ortholog	dehydrogenase(PC00092)
HUMAN HGNC=24358 UniProtKB=Q9H2G4	Testis-specific Y-encoded-like protein 2;TSPYL2;ortholog	chromatin/chromatin-binding, or -regulatory protein(PC00077)
HUMAN HGNC=9725 UniProtKB=P06737	Glycogen phosphorylase, liver form;PYGL;ortholog	glycosyltransferase(PC00111)
HUMAN HGNC=42937 UniProtKB=P0DMEO	Protein SETSIP;SETSIP;ortholog	chromatin/chromatin-binding, or -regulatory protein(PC00077)
HUMAN HGNC=22125 UniProtKB=Q95522	PRAME family member 12;PRAMEF12;ortholog	
HUMAN HGNC=2988 UniProtKB=Q92608	Dedicator of cytokinesis protein 2;DOCK2;ortholog	guanyl-nucleotide exchange factor(PC00113)
HUMAN HGNC=28472 UniProtKB=Q9BTV4	Transmembrane protein 43;TMEM43;ortholog	
HUMAN HGNC=14258 UniProtKB=Q9Y5K6	CD2-associated protein;CD2AP;ortholog	
HUMAN HGNC=4746 UniProtKB=P62807	Histone H2B type 1-C/E/F/G/I;H2BC4;ortholog	histone(PC00118)
HUMAN HGNC=9862 UniProtKB=P61225	Ras-related protein Rap-2b;RAP2B;ortholog	small GTPase(PC00208)
HUMAN HGNC=19760 UniProtKB=Q96T51	RUN and FYVE domain-containing protein 1;RUFY1;ortholog	
HUMAN HGNC=17973 UniProtKB=Q9P109	Beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,6-N-acetylglucosaminyltransferase 4;GCNT4;ortholog	glycosyltransferase(PC00111)
HUMAN HGNC=22958 UniProtKB=Q9NR12	PDZ and LIM domain protein 7;PDLIM7;ortholog	actin or actin-binding cytoskeletal protein(PC00041)

HUMAN HGNC=6463 UniProtKB=O43790	Keratin, type II cuticular Hb6;KRT86;ortholog	
HUMAN HGNC=17376 UniProtKB=Q9UIJ7	GTP:AMP phosphotransferase AK3, mitochondrial;AK3;ortholog	nucleotide kinase(PC00172)
HUMAN HGNC=8955 UniProtKB=P50453	Serpin B9;SERPINB9;ortholog	protease inhibitor(PC00191)
HUMAN HGNC=8861 UniProtKB=P02776	Platelet factor 4;PF4;ortholog	chemokine(PC00074)
HUMAN HGNC=21054 UniProtKB=Q86UC2	Radial spoke head protein 3 homolog;RSPH3;ortholog	structural protein(PC00211)
HUMAN HGNC=10760 UniProtKB=Q01105	Protein SET;SET;ortholog	chromatin/chromatin-binding, or -regulatory protein(PC00077)
HUMAN HGNC=18173 UniProtKB=Q9NZ08	Endoplasmic reticulum aminopeptidase 1;ERAP1;ortholog	metalloprotease(PC00153)
HUMAN HGNC=5785 UniProtKB=P06310	Immunoglobulin kappa variable 2-30;IGKV2-30;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=24485 UniProtKB=Q9UFP1	Golgi-associated kinase 1A;GASK1A;ortholog	
HUMAN HGNC=9604 UniProtKB=P23219	Prostaglandin G/H synthase 1;PTGS1;ortholog	oxygenase(PC00177)
HUMAN HGNC=6407 UniProtKB=P01116	GTPase KRas;KRAS;ortholog	small GTPase(PC00208)
HUMAN HGNC=29502 UniProtKB=Q0ZLH3	Pejvakin;PJVK;ortholog	
HUMAN HGNC=37237 UniProtKB=A6NDY0	Embryonic polyadenylate-binding protein 2;PABPN1L;ortholog	translation initiation factor(PC00224)
HUMAN HGNC=11148 UniProtKB=Q16658	Fascin;FSCN1;ortholog	non-motor actin binding protein(PC00165)
HUMAN HGNC=8504 UniProtKB=Q969R2	Oxysterol-binding protein 2;OSBP2;ortholog	
HUMAN HGNC=16090 UniProtKB=O00264	Membrane-associated progesterone receptor component 1;PGRMC1;ortholog	transmembrane signal receptor(PC00197)
HUMAN HGNC=6038 UniProtKB=Q12906	Interleukin enhancer-binding factor 3;ILF3;ortholog	RNA metabolism protein(PC00031)
HUMAN HGNC=10721 UniProtKB=P16109	P-selectin;SELP;ortholog	
HUMAN HGNC=7377 UniProtKB=Q9UJ68	Mitochondrial peptide methionine sulfoxide reductase;MSRA;ortholog	reductase(PC00198)
HUMAN HGNC=16768 UniProtKB=O60391	Glutamate receptor ionotropic, NMDA 3B;GRIN3B;ortholog	transmembrane signal receptor(PC00197)
HUMAN HGNC=6169 UniProtKB=Q14624	Inter-alpha-trypsin inhibitor heavy chain H4;ITIH4;ortholog	protease inhibitor(PC00191)
HUMAN HGNC=8043 UniProtKB=Q02818	Nucleobindin-1;NUCB1;ortholog	calmodulin-related(PC00061)
HUMAN HGNC=30268 UniProtKB=Q96AX2	Ras-related protein Rab-37;RAB37;ortholog	
HUMAN HGNC=6517 UniProtKB=P18428	Lipopolysaccharide-binding protein;LBP;ortholog	
HUMAN HGNC=16695 UniProtKB=P51572	B-cell receptor-associated protein 31;BCAP31;ortholog	membrane traffic protein(PC00150)
HUMAN HGNC=19409 UniProtKB=O43300	Leucine-rich repeat transmembrane neuronal protein 2;LRRTM2;ortholog	

HUMAN HGNC=10363 UniProtKB=P18124	60S ribosomal protein L7;RPL7;ortholog	ribosomal protein(PC00202)
HUMAN HGNC=2532 UniProtKB=P08311	Cathepsin G;CTSG;ortholog	serine protease(PC00203)
HUMAN HGNC=30205 UniProtKB=Q9H7C9	Mth938 domain-containing protein;AAMDC;ortholog	
HUMAN HGNC=25473 UniProtKB=Q9P2N6	KAT8 regulatory NSL complex subunit 3;KANSL3;ortholog	
HUMAN HGNC=26555 UniProtKB=Q3SY00	Testis-specific protein 10-interacting protein;TSGA10IP;ortholog	
HUMAN HGNC=26928 UniProtKB=Q9UKY7	Protein CDV3 homolog;CDV3;ortholog	
HUMAN HGNC=17168 UniProtKB=Q9H2M9	Rab3 GTPase-activating protein non-catalytic subunit;RAB3GAP2;ortholog	G-protein modulator(PC00022)
HUMAN HGNC=4472 UniProtKB=Q14330	N-arachidonyl glycine receptor;GPR18;ortholog	G-protein coupled receptor(PC00021)
HUMAN HGNC=7729 UniProtKB=Q15019	Septin-2;SEPTIN2;ortholog	cytoskeletal protein(PC00085)
HUMAN HGNC=14294 UniProtKB=Q9BYB0	SH3 and multiple ankyrin repeat domains protein 3;SHANK3;ortholog	
HUMAN HGNC=30611 UniProtKB=Q8TCJ2	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3B;STT3B;ortholog	glycosyltransferase(PC00111)
HUMAN HGNC=16276 UniProtKB=Q9C035	Tripartite motif-containing protein 5;TRIM5;ortholog	ubiquitin-protein ligase(PC00234)
HUMAN HGNC=16051 UniProtKB=Q8TEW0	Partitioning defective 3 homolog;PARD3;ortholog	
HUMAN HGNC=6446 UniProtKB=P05787	Keratin, type II cytoskeletal 8;KRT8;ortholog	
HUMAN HGNC=2335 UniProtKB=Q2VPA4	Complement component receptor 1-like protein;CR1L;ortholog	
HUMAN HGNC=607 UniProtKB=P02654	Apolipoprotein C-I;APOC1;ortholog	apolipoprotein(PC00052)
HUMAN HGNC=679 UniProtKB=P52566	Rho GDP-dissociation inhibitor 2;ARHGDIB;ortholog	G-protein modulator(PC00022)
HUMAN HGNC=4883 UniProtKB=P08603	Complement factor H;CFH;ortholog	
HUMAN HGNC=5238 UniProtKB=P11021	Endoplasmic reticulum chaperone BiP;HSPA5;ortholog	
HUMAN HGNC=3069 UniProtKB=P51452	Dual specificity protein phosphatase 3;DUSP3;ortholog	
HUMAN HGNC=8761 UniProtKB=Q9BUL8	Programmed cell death protein 10;PDCD10;ortholog	
HUMAN HGNC=5240 UniProtKB=P48741	Putative heat shock 70 kDa protein 7;HSPA7;ortholog	
HUMAN HGNC=23688 UniProtKB=Q86UU0	B-cell CLL/lymphoma 9-like protein;BCL9L;ortholog	
HUMAN HGNC=25296 UniProtKB=Q8IYM0	Protein FAM186B;FAM186B;ortholog	
HUMAN HGNC=18423 UniProtKB=O75140	GATOR complex protein DEPDC5;DEPDC5;ortholog	GTPase-activating protein(PC00257)
HUMAN HGNC=8765 UniProtKB=O75340	Programmed cell death protein 6;PDCD6;ortholog	actin or actin-binding cytoskeletal protein(PC00041)

HUMAN HGNC=17964 UniProtKB=Q8TC12	Retinol dehydrogenase 11;RDH11;ortholog	dehydrogenase(PC00092)
HUMAN HGNC=4814 UniProtKB=O60229	Kalirin;KALRN;ortholog	guanyl-nucleotide exchange factor(PC00113)
HUMAN HGNC=4374 UniProtKB=O60234	Glia maturation factor gamma;GMFG;ortholog	intercellular signal molecule(PC00207)
HUMAN HGNC=20625 UniProtKB=M0R2J8	Doublecortin domain-containing protein 1;DCDC1;ortholog	
HUMAN HGNC=18304 UniProtKB=Q14019	Coactosin-like protein;COTL1;ortholog	non-motor actin binding protein(PC00165)
HUMAN HGNC=33749 UniProtKB=Q52MB2	Coiled-coil domain-containing protein 184;CCDC184;ortholog	
HUMAN HGNC=7694 UniProtKB=O14561	Acyl carrier protein, mitochondrial;NDUFAB1;ortholog	transfer/carrier protein(PC00219)
HUMAN HGNC=5742 UniProtKB=A0A0C4DH72	Immunoglobulin kappa variable 1-6;IGKV1-6;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=12410 UniProtKB=Q9NY65	Tubulin alpha-8 chain;TUBA8;ortholog	tubulin(PC00228)
HUMAN HGNC=25035 UniProtKB=Q5VVQ6	Ubiquitin thioesterase OTU1;YOD1;ortholog	cysteine protease(PC00081)
HUMAN HGNC=6528 UniProtKB=P13796	Plastin-2;LCP1;ortholog	non-motor actin binding protein(PC00165)
HUMAN HGNC=15582 UniProtKB=Q8WXI7	Mucin-16;MUC16;ortholog	
HUMAN HGNC=5890 UniProtKB=P01705	Immunoglobulin lambda variable 2-23;IGLV2-23;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=1424 UniProtKB=P27708	CAD protein;CAD;ortholog	ligase(PC00142)
HUMAN HGNC=21740 UniProtKB=Q6ZV73	FYVE, RhoGEF and PH domain-containing protein 6;FGD6;ortholog	guanyl-nucleotide exchange factor(PC00113)
HUMAN HGNC=30697 UniProtKB=Q8TB96	T-cell immunomodulatory protein;ITFG1;ortholog	
HUMAN HGNC=24636 UniProtKB=Q9UHB6	LIM domain and actin-binding protein 1;LIMA1;ortholog	actin or actin-binding cytoskeletal protein(PC00041)
HUMAN HGNC=24903 UniProtKB=Q9Y520	Protein PRRC2C;PRRC2C;ortholog	RNA metabolism protein(PC00031)
HUMAN HGNC=9070 UniProtKB=P08567	Pleckstrin;PLEK;ortholog	cytoskeletal protein(PC00085)
HUMAN HGNC=1090 UniProtKB=Q03001	Dystonin;DST;ortholog	intermediate filament binding protein(PC00130)
HUMAN HGNC=29007 UniProtKB=Q14CM0	FERM and PDZ domain-containing protein 4;FRMPD4;ortholog	
HUMAN HGNC=14452 UniProtKB=Q9NYG5	Anaphase-promoting complex subunit 11;ANAPC11;ortholog	ubiquitin-protein ligase(PC00234)
HUMAN HGNC=1247 UniProtKB=P09871	Complement C1s subcomponent;C1S;ortholog	serine protease(PC00203)
HUMAN HGNC=5654 UniProtKB=P01825	Immunoglobulin heavy variable 4-59;IGHV4-59;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=94 UniProtKB=Q9BWD1	Acetyl-CoA acetyltransferase, cytosolic;ACAT2;ortholog	acyltransferase(PC00042)
HUMAN HGNC=362 UniProtKB=P54819	Adenylate kinase 2, mitochondrial;AK2;ortholog	nucleotide kinase(PC00172)



HUMAN HGNC=4458 UniProtKB=P06744	Glucose-6-phosphate isomerase;GPI;ortholog	isomerase(PC00135)
HUMAN HGNC=25316 UniProtKB=Q5VZ19	Tudor domain-containing protein 10;TDRD10;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=8898 UniProtKB=P07205	Phosphoglycerate kinase 2;PGK2;ortholog	carbohydrate kinase(PC00065)
HUMAN HGNC=8533 UniProtKB=P51575	P2X purinoceptor 1;P2RX1;ortholog	ligand-gated ion channel(PC00141)
HUMAN HGNC=9112 UniProtKB=Q6P1K2	Polyamine-modulated factor 1;PMF1;ortholog	
HUMAN HGNC=6317 UniProtKB=O43896	Kinesin-like protein KIF1C;KIF1C;ortholog	microtubule binding motor protein(PC00156)
HUMAN HGNC=12669 UniProtKB=P21796	Voltage-dependent anion-selective channel protein 1;VDAC1;ortholog	voltage-gated ion channel(PC00241)
HUMAN HGNC=5228 UniProtKB=P25686	DnaJ homolog subfamily B member 2;DNAJB2;ortholog	chaperone(PC00072)
HUMAN HGNC=14248 UniProtKB=Q96RN5	Mediator of RNA polymerase II transcription subunit 15;MED15;ortholog	
HUMAN HGNC=6050 UniProtKB=P29218	Inositol monophosphatase 1;IMPA1;ortholog	phosphatase(PC00181)
HUMAN HGNC=17820 UniProtKB=Q9H0P0	Cytosolic 5'-nucleotidase 3A;NT5C3A;ortholog	esterase(PC00097)
HUMAN HGNC=2213 UniProtKB=P12111	Collagen alpha-3(VI) chain;COL6A3;ortholog	extracellular matrix structural protein(PC00103)
HUMAN HGNC=570 UniProtKB=P53677	AP-3 complex subunit mu-2;AP3M2;ortholog	membrane traffic protein(PC00150)
HUMAN HGNC=237 UniProtKB=O43306	Adenylate cyclase type 6;ADCY6;ortholog	
HUMAN HGNC=12475 UniProtKB=P62837	Ubiquitin-conjugating enzyme E2 D2;UBE2D2;ortholog	ubiquitin-protein ligase(PC00234)
HUMAN HGNC=8052 UniProtKB=Q9UUK9	ADP-sugar pyrophosphatase;NUDT5;ortholog	pyrophosphatase(PC00196)
HUMAN HGNC=9207 UniProtKB=Q9UFF9	CCR4-NOT transcription complex subunit 8;CNOT8;ortholog	mRNA polyadenylation factor(PC00146)
HUMAN HGNC=11957 UniProtKB=Q93074	Mediator of RNA polymerase II transcription subunit 12;MED12;ortholog	general transcription factor(PC00259)
HUMAN HGNC=7571 UniProtKB=Q9UKX3	Myosin-13;MYH13;ortholog	
HUMAN HGNC=4718 UniProtKB=P10412	Histone H1.4;H1-4;ortholog	histone(PC00118)
HUMAN HGNC=3213 UniProtKB=P26641	Elongation factor 1-gamma;EEF1G;ortholog	
HUMAN HGNC=7732 UniProtKB=Q15843	NEDD8;NEDD8;ortholog	
HUMAN HGNC=12388 UniProtKB=Q16762	Thiosulfate sulfurtransferase;TST;ortholog	transferase(PC00220)
HUMAN HGNC=707 UniProtKB=P59998	Actin-related protein 2/3 complex subunit 4;ARPC4;ortholog	actin or actin-binding cytoskeletal protein(PC00041)
HUMAN HGNC=24293 UniProtKB=Q70JA7	Chondroitin sulfate synthase 3;CHSY3;ortholog	glycosyltransferase(PC00111)
HUMAN HGNC=5910 UniProtKB=P01718	Immunoglobulin lambda variable 3-27;IGLV3-27;ortholog	immunoglobulin(PC00123)

HUMAN HGNC=10899 UniProtKB=P63208	S-phase kinase-associated protein 1;SKP1;ortholog	ubiquitin-protein ligase(PC00234)
HUMAN HGNC=7641 UniProtKB=P54920	Alpha-soluble NSF attachment protein;NAPA;ortholog	membrane traffic protein(PC00150)
HUMAN HGNC=9388 UniProtKB=P10644	cAMP-dependent protein kinase type I-alpha regulatory subunit;PRKAR1A;ortholog	kinase modulator(PC00140)
HUMAN HGNC=24634 UniProtKB=Q9UBC2	Epidermal growth factor receptor substrate 15-like 1;EPS15L1;ortholog	membrane traffic protein(PC00150)
HUMAN HGNC=6561 UniProtKB=P09382	Galectin-1;LGALS1;ortholog	extracellular matrix protein(PC00102)
HUMAN HGNC=7590 UniProtKB=Q15746	Myosin light chain kinase, smooth muscle;MYLK;ortholog	
HUMAN HGNC=1628 UniProtKB=P08571	Monocyte differentiation antigen CD14;CD14;ortholog	transmembrane signal receptor(PC00197)
HUMAN HGNC=38476 UniProtKB=B9A064	Immunoglobulin lambda-like polypeptide 5;IGLL5;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=12010 UniProtKB=P09493	Tropomyosin alpha-1 chain;TPM1;ortholog	actin binding motor protein(PC00040)
HUMAN HGNC=8510 UniProtKB=Q92882	Osteoclast-stimulating factor 1;OSTF1;ortholog	
HUMAN HGNC=255 UniProtKB=P28332	Alcohol dehydrogenase 6;ADH6;ortholog	dehydrogenase(PC00092)
HUMAN HGNC=10582 UniProtKB=Q9Y5Y9	Sodium channel protein type 10 subunit alpha;SCN10A;ortholog	voltage-gated ion channel(PC00241)
HUMAN HGNC=5551 UniProtKB=A0A0C4DH33	Immunoglobulin heavy variable 1-24;IGHV1-24;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=18039 UniProtKB=Q9UGL1	Lysine-specific demethylase 5B;KDM5B;ortholog	histone modifying enzyme(PC00261)
HUMAN HGNC=6535 UniProtKB=P00338	L-lactate dehydrogenase A chain;LDHA;ortholog	dehydrogenase(PC00092)
HUMAN HGNC=4335 UniProtKB=P00367	Glutamate dehydrogenase 1, mitochondrial;GLUD1;ortholog	dehydrogenase(PC00092)
HUMAN HGNC=16753 UniProtKB=P30041	Peroxioredoxin-6;PRDX6;ortholog	peroxidase(PC00180)
HUMAN HGNC=26586 UniProtKB=Q8N2A0	Putative uncharacterized protein encoded by LINC00269;LINC00269;ortholog	
HUMAN HGNC=20771 UniProtKB=P68371	Tubulin beta-4B chain;TUBB4B;ortholog	tubulin(PC00228)
HUMAN HGNC=4800 UniProtKB=Q99714	3-hydroxyacyl-CoA dehydrogenase type-2;HSD17B10;ortholog	oxidoreductase(PC00176)
HUMAN HGNC=19375 UniProtKB=Q9BV35	Calcium-binding mitochondrial carrier protein SCaMC-3;SLC25A23;ortholog	mitochondrial carrier protein(PC00158)
HUMAN HGNC=16089 UniProtKB=O15173	Membrane-associated progesterone receptor component 2;PGRMC2;ortholog	transmembrane signal receptor(PC00197)
HUMAN HGNC=600 UniProtKB=P02647	Apolipoprotein A-I;APOA1;ortholog	apolipoprotein(PC00052)
HUMAN HGNC=12012 UniProtKB=P06753	Tropomyosin alpha-3 chain;TPM3;ortholog	actin binding motor protein(PC00040)
HUMAN HGNC=11126 UniProtKB=P53814	Smoothelin;SMTN;ortholog	
HUMAN HGNC=23435 UniProtKB=Q8N4J0	Carnosine N-methyltransferase;CARNMT1;ortholog	
HUMAN HGNC=4227 UniProtKB=P50395	Rab GDP dissociation inhibitor beta;GDI2;ortholog	G-protein modulator(PC00022)

HUMAN HGNC=7223 UniProtKB=P25325	3-mercaptopyruvate sulfurtransferase;MPST;ortholog	transferase(PC00220)
HUMAN HGNC=10497 UniProtKB=P31151	Protein S100-A7;S100A7;ortholog	calmodulin-related(PC00061)
HUMAN HGNC=14265 UniProtKB=Q86UP0	Cadherin-24;CDH24;ortholog	cadherin(PC00057)
HUMAN HGNC=29125 UniProtKB=Q9UQ16	Dynamin-3;DNM3;ortholog	membrane traffic protein(PC00150)
HUMAN HGNC=9767 UniProtKB=O00194	Ras-related protein Rab-27B;RAB27B;ortholog	
HUMAN HGNC=24723 UniProtKB=Q9H6R3	Acyl-CoA synthetase short-chain family member 3, mitochondrial;ACSS3;ortholog	ligase(PC00142)
HUMAN HGNC=5554 UniProtKB=P01743	Immunoglobulin heavy variable 1-46;IGHV1-46;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=23397 UniProtKB=Q5T1M5	FK506-binding protein 15;FKBP15;ortholog	
HUMAN HGNC=29989 UniProtKB=Q86YP4	Transcriptional repressor p66-alpha;GATAD2A;ortholog	DNA-binding transcription factor(PC00218)
HUMAN HGNC=10378 UniProtKB=P52815	39S ribosomal protein L12, mitochondrial;MRPL12;ortholog	ribosomal protein(PC00202)
HUMAN HGNC=575 UniProtKB=Q9Y587	AP-4 complex subunit sigma-1;AP4S1;ortholog	vesicle coat protein(PC00235)
HUMAN HGNC=17150 UniProtKB=Q9Y2V2	Calcium-regulated heat-stable protein 1;CARHSP1;ortholog	RNA metabolism protein(PC00031)
HUMAN HGNC=544 UniProtKB=P08133	Annexin A6;ANXA6;ortholog	calcium-binding protein(PC00060)
HUMAN HGNC=12016 UniProtKB=P29144	Tripeptidyl-peptidase 2;TPP2;ortholog	serine protease(PC00203)
HUMAN HGNC=17943 UniProtKB=Q9GZP9	Derlin-2;DERL2;ortholog	primary active transporter(PC00068)
HUMAN HGNC=8078 UniProtKB=O95158	Neurexophilin-4;NXPH4;ortholog	intercellular signal molecule(PC00207)
HUMAN HGNC=9645 UniProtKB=Q05209	Tyrosine-protein phosphatase non-receptor type 12;PTPN12;ortholog	
HUMAN HGNC=10569 UniProtKB=P29508	Serpin B3;SERPINB3;ortholog	protease inhibitor(PC00191)
HUMAN HGNC=1339 UniProtKB=P13671	Complement component C6;C6;ortholog	
HUMAN HGNC=12011 UniProtKB=P07951	Tropomyosin beta chain;TPM2;ortholog	actin binding motor protein(PC00040)
HUMAN HGNC=11767 UniProtKB=O43294	Transforming growth factor beta-1-induced transcript 1 protein;TGFB1I1;ortholog	actin or actin-binding cytoskeletal protein(PC00041)
HUMAN HGNC=9087 UniProtKB=Q04941	Proteolipid protein 2;PLP2;ortholog	membrane traffic protein(PC00150)
HUMAN HGNC=3419 UniProtKB=P42566	Epidermal growth factor receptor substrate 15;EPS15;ortholog	membrane traffic protein(PC00150)
HUMAN HGNC=4432 UniProtKB=P17174	Aspartate aminotransferase, cytoplasmic;GOT1;ortholog	transaminase(PC00216)
HUMAN HGNC=2475 UniProtKB=P01034	Cystatin-C;CST3;ortholog	
HUMAN HGNC=6707 UniProtKB=P33241	Lymphocyte-specific protein 1;LSP1;ortholog	non-motor actin binding protein(PC00165)

HUMAN HGNC=6484 UniProtKB=Q16363	Laminin subunit alpha-4;LAMA4;ortholog	
HUMAN HGNC=9451 UniProtKB=P04070	Vitamin K-dependent protein C;PROC;ortholog	serine protease(PC00203)
HUMAN HGNC=18399 UniProtKB=Q8N5I4	Dehydrogenase/reductase SDR family member on chromosome X;DHRSX;ortholog	dehydrogenase(PC00092)
HUMAN HGNC=26922 UniProtKB=Q5T890	DNA excision repair protein ERCC-6-like 2;ERCC6L2;ortholog	
HUMAN HGNC=24932 UniProtKB=Q9NZ63	Telomere length and silencing protein 1 homolog;C9orf78;ortholog	
HUMAN HGNC=850 UniProtKB=P48047	ATP synthase subunit O, mitochondrial;ATP5PO;ortholog	ATP synthase(PC00002)
HUMAN HGNC=15606 UniProtKB=Q9UHA4	Ragulator complex protein LAMTOR3;LAMTOR3;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=21874 UniProtKB=Q96ME1	F-box/LRR-repeat protein 18;FBXL18;ortholog	
HUMAN HGNC=16701 UniProtKB=P19105	Myosin regulatory light chain 12A;MYL12A;ortholog	actin or actin-binding cytoskeletal protein(PC00041)
HUMAN HGNC=14959 UniProtKB=Q96T37	RNA-binding protein 15;RBM15;ortholog	RNA metabolism protein(PC00031)
HUMAN HGNC=9786 UniProtKB=P20340	Ras-related protein Rab-6A;RAB6A;ortholog	
HUMAN HGNC=711 UniProtKB=P49407	Beta-arrestin-1;ARRB1;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=18368 UniProtKB=Q9UM07	Protein-arginine deiminase type-4;PADI4;ortholog	
HUMAN HGNC=26531 UniProtKB=Q96M89	Coiled-coil domain-containing protein 138;CCDC138;ortholog	
HUMAN HGNC=5239 UniProtKB=P17066	Heat shock 70 kDa protein 6;HSPA6;ortholog	
HUMAN HGNC=6724 UniProtKB=P51884	Lumican;LUM;ortholog	
HUMAN HGNC=673 UniProtKB=Q07960	Rho GTPase-activating protein 1;ARHGAP1;ortholog	GTPase-activating protein(PC00257)
HUMAN HGNC=11326 UniProtKB=P51571	Translocon-associated protein subunit delta;SSR4;ortholog	
HUMAN HGNC=6171 UniProtKB=Q08881	Tyrosine-protein kinase ITK/TSK;ITK;ortholog	
HUMAN HGNC=25708 UniProtKB=Q96JM4	Leucine-rich repeat and IQ domain-containing protein 1;LRRIQ1;ortholog	
HUMAN HGNC=12582 UniProtKB=P14927	Cytochrome b-c1 complex subunit 7;UQCRB;ortholog	reductase(PC00198)
HUMAN HGNC=11133 UniProtKB=O95721	Synaptosomal-associated protein 29;SNAP29;ortholog	SNARE protein(PC00034)
HUMAN HGNC=5933 UniProtKB=A0A0B4J1Y8	Immunoglobulin lambda variable 9-49;IGLV9-49;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=10632 UniProtKB=P13501	C-C motif chemokine 5;CCL5;ortholog	cytokine(PC00083)
HUMAN HGNC=29262 UniProtKB=Q9P2H3	Intraflagellar transport protein 80 homolog;IFT80;ortholog	
HUMAN HGNC=704 UniProtKB=O15143	Actin-related protein 2/3 complex subunit 1B;ARPC1B;ortholog	actin or actin-binding cytoskeletal protein(PC00041)

HUMAN HGNC=7821 UniProtKB=P14543	Nidogen-1;NID1;ortholog	transmembrane signal receptor(PC00197)
HUMAN HGNC=3189 UniProtKB=P68104	Elongation factor 1-alpha 1;EEF1A1;ortholog	translation factor(PC00223)
HUMAN HGNC=9414 UniProtKB=Q13976	cGMP-dependent protein kinase 1;PRKG1;ortholog	non-receptor serine/threonine protein kinase(PC00167)
HUMAN HGNC=4801 UniProtKB=P40939	Trifunctional enzyme subunit alpha, mitochondrial;HADHA;ortholog	
HUMAN HGNC=9395 UniProtKB=P05771	Protein kinase C beta type;PRKCB;ortholog	non-receptor serine/threonine protein kinase(PC00167)
HUMAN HGNC=11088 UniProtKB=Q9H2G2	STE20-like serine/threonine-protein kinase;SLK;ortholog	
HUMAN HGNC=10989 UniProtKB=Q00325	Phosphate carrier protein, mitochondrial;SLC25A3;ortholog	mitochondrial carrier protein(PC00158)
HUMAN HGNC=11403 UniProtKB=Q9Y6E0	Serine/threonine-protein kinase 24;STK24;ortholog	
HUMAN HGNC=25516 UniProtKB=Q8TER5	Rho guanine nucleotide exchange factor 40;ARHGEF40;ortholog	guanyl-nucleotide exchange factor(PC00113)
HUMAN HGNC=2728 UniProtKB=P39656	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase 48 kDa subunit;DDOST;ortholog	glycosyltransferase(PC00111)
HUMAN HGNC=9299 UniProtKB=P67775	Serine/threonine-protein phosphatase 2A catalytic subunit alpha isoform;PPP2CA;ortholog	protein phosphatase(PC00195)
HUMAN HGNC=11357 UniProtKB=Q92783	Signal transducing adapter molecule 1;STAM;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=21230 UniProtKB=Q9P1F3	Costars family protein ABRACL;ABRACL;ortholog	
HUMAN HGNC=11099 UniProtKB=Q14527	Helicase-like transcription factor;HLTF;ortholog	
HUMAN HGNC=3382 UniProtKB=Q08495	Dematin;DMTN;ortholog	actin or actin-binding cytoskeletal protein(PC00041)
HUMAN HGNC=13921 UniProtKB=O95870	Phosphatidylserine lipase ABHD16A;ABHD16A;ortholog	serine protease(PC00203)
HUMAN HGNC=1507 UniProtKB=P55212	Caspase-6;CASP6;ortholog	protease(PC00190)
HUMAN HGNC=8044 UniProtKB=P80303	Nucleobindin-2;NUCB2;ortholog	calmodulin-related(PC00061)
HUMAN HGNC=43788 UniProtKB=Q8NHM4	Putative trypsin-6;PRSS3P2;ortholog	serine protease(PC00203)
HUMAN HGNC=16721 UniProtKB=A6NKQ9	Choriogonadotropin subunit beta variant 1;CGB1;ortholog	peptide hormone(PC00179)
HUMAN HGNC=6834 UniProtKB=P27338	Amine oxidase [flavin-containing] B;MAOB;ortholog	oxidase(PC00175)
HUMAN HGNC=16499 UniProtKB=Q96DA2	Ras-related protein Rab-39B;RAB39B;ortholog	
HUMAN HGNC=20471 UniProtKB=O95777	U6 snRNA-associated Sm-like protein LSM8;LSM8;ortholog	RNA splicing factor(PC00148)
HUMAN HGNC=10498 UniProtKB=P05109	Protein S100-A8;S100A8;ortholog	calmodulin-related(PC00061)
HUMAN HGNC=20908 UniProtKB=Q86YF9	Zinc finger protein DZIP1;DZIP1;ortholog	

HUMAN HGNC=4827 UniProtKB=P68871	Hemoglobin subunit beta;HBB;ortholog	
HUMAN HGNC=22880 UniProtKB=Q96JG8	Melanoma-associated antigen D4;MAGED4B;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=8515 UniProtKB=Q9HC10	Otoferlin;OTOF;ortholog	membrane trafficking regulatory protein(PC00151)
HUMAN HGNC=10458 UniProtKB=Q92681	Regulatory solute carrier protein family 1 member 1;RSC1A1;ortholog	membrane trafficking regulatory protein(PC00151)
HUMAN HGNC=1476 UniProtKB=P07384	Calpain-1 catalytic subunit;CAPN1;ortholog	cysteine protease(PC00081)
HUMAN HGNC=30904 UniProtKB=O60763	General vesicular transport factor p115;USO1;ortholog	membrane traffic protein(PC00150)
HUMAN HGNC=4823 UniProtKB=P69905	Hemoglobin subunit alpha;HBA2;ortholog	
HUMAN HGNC=3815 UniProtKB=Q12951	Forkhead box protein I1;FOXI1;ortholog	winged helix/forkhead transcription factor(PC00246)
HUMAN HGNC=7516 UniProtKB=Q9HC84	Mucin-5B;MUC5B;ortholog	extracellular matrix protein(PC00102)
HUMAN HGNC=4555 UniProtKB=P22352	Glutathione peroxidase 3;GPX3;ortholog	peroxidase(PC00180)
HUMAN HGNC=20473 UniProtKB=Q9BX63	Fanconi anemia group J protein;BRIP1;ortholog	DNA helicase(PC00011)
HUMAN HGNC=24728 UniProtKB=A2RTX5	Threonine--tRNA ligase 2, cytoplasmic;TARS3;ortholog	aminoacyl-tRNA synthetase(PC00047)
HUMAN HGNC=4635 UniProtKB=P21266	Glutathione S-transferase Mu 3;GSTM3;ortholog	transferase(PC00220)
HUMAN HGNC=18451 UniProtKB=Q8NI22	Multiple coagulation factor deficiency protein 2;MCFD2;ortholog	membrane traffic protein(PC00150)
HUMAN HGNC=4395 UniProtKB=P19086	Guanine nucleotide-binding protein G(z) subunit alpha;GNAZ;ortholog	heterotrimeric G-protein(PC00117)
HUMAN HGNC=12403 UniProtKB=Q8WZ42	Titin;TTN;ortholog	
HUMAN HGNC=5753 UniProtKB=P01593	Immunoglobulin kappa variable 1D-33;IGKV1D-33;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=119 UniProtKB=Q15067	Peroxisomal acyl-coenzyme A oxidase 1;ACOX1;ortholog	oxidoreductase(PC00176)
HUMAN HGNC=12849 UniProtKB=P31946	14-3-3 protein beta/alpha;YWHAB;ortholog	scaffold/adaptor protein(PC00226)
HUMAN HGNC=10991 UniProtKB=P05141	ADP/ATP translocase 2;SLC25A5;ortholog	transfer/carrier protein(PC00219)
HUMAN HGNC=5593 UniProtKB=P0DP02	Immunoglobulin heavy variable 3-30-3;IGHV3-30-3;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=794 UniProtKB=P31939	Bifunctional purine biosynthesis protein ATIC;ATIC;ortholog	
HUMAN HGNC=6871 UniProtKB=P28482	Mitogen-activated protein kinase 1;MAPK1;ortholog	non-receptor serine/threonine protein kinase(PC00167)
HUMAN HGNC=6752 UniProtKB=P20645	Cation-dependent mannose-6-phosphate receptor;M6PR;ortholog	membrane traffic protein(PC00150)
HUMAN HGNC=9261 UniProtKB=Q13356	RING-type E3 ubiquitin-protein ligase PPIL2;PPIL2;ortholog	chaperone(PC00072)

HUMAN HGNC=25397 UniProtKB=Q6MZP7	Protein lin-54 homolog;LIN54;ortholog	
HUMAN HGNC=6631 UniProtKB=P49257	Protein ERGIC-53;LMAN1;ortholog	membrane traffic protein(PC00150)
HUMAN HGNC=16524 UniProtKB=P61106	Ras-related protein Rab-14;RAB14;ortholog	
HUMAN HGNC=5620 UniProtKB=P01780	Immunoglobulin heavy variable 3-7;IGHV3-7;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=18449 UniProtKB=P28838	Cytosol aminopeptidase;LAP3;ortholog	metalloprotease(PC00153)
HUMAN HGNC=25240 UniProtKB=Q4KMQ2	Anoctamin-6;ANO6;ortholog	
HUMAN HGNC=7002 UniProtKB=A6NDR6	Putative homeobox protein Meis3-like 1;MEIS3P1;ortholog	homeodomain transcription factor(PC00119)
HUMAN HGNC=19692 UniProtKB=Q96F24	Nuclear receptor-binding factor 2;NRBF2;ortholog	transcription cofactor(PC00217)
HUMAN HGNC=2713 UniProtKB=O75935	Dynactin subunit 3;DCTN3;ortholog	microtubule binding motor protein(PC00156)
HUMAN HGNC=14010 UniProtKB=Q8IWI9	MAX gene-associated protein;MGA;ortholog	Rel homology transcription factor(PC00252)
HUMAN HGNC=678 UniProtKB=P52565	Rho GDP-dissociation inhibitor 1;ARHGDI1;ortholog	G-protein modulator(PC00022)
HUMAN HGNC=21416 UniProtKB=Q92485	Acid sphingomyelinase-like phosphodiesterase 3b;SMPDL3B;ortholog	phosphodiesterase(PC00185)
HUMAN HGNC=20653 UniProtKB=Q8IVB4	Sodium/hydrogen exchanger 9;SLC9A9;ortholog	secondary carrier transporter(PC00258)
HUMAN HGNC=3951 UniProtKB=Q16595	Frataxin, mitochondrial;FXN;ortholog	transfer/carrier protein(PC00219)
HUMAN HGNC=13582 UniProtKB=Q9UK99	F-box only protein 3;FBXO3;ortholog	
HUMAN HGNC=7133 UniProtKB=O14686	Histone-lysine N-methyltransferase 2D;KMT2D;ortholog	
HUMAN HGNC=2949 UniProtKB=Q8TD57	Dynein heavy chain 3, axonemal;DNAH3;ortholog	microtubule binding motor protein(PC00156)
HUMAN HGNC=12488 UniProtKB=P68036	Ubiquitin-conjugating enzyme E2 L3;UBE2L3;ortholog	ubiquitin-protein ligase(PC00234)
HUMAN HGNC=20851 UniProtKB=Q5TON5	Formin-binding protein 1-like;FNBP1L;ortholog	
HUMAN HGNC=24731 UniProtKB=Q8NBF2	NHL repeat-containing protein 2;NHLRC2;ortholog	
HUMAN HGNC=29943 UniProtKB=Q9NT68	Teneurin-2;TENM2;ortholog	
HUMAN HGNC=30410 UniProtKB=Q9BXA6	Testis-specific serine/threonine-protein kinase 6;TSSK6;ortholog	non-receptor serine/threonine protein kinase(PC00167)
HUMAN HGNC=144 UniProtKB=P63261	Actin, cytoplasmic 2;ACTG1;ortholog	actin and actin related protein(PC00039)
HUMAN HGNC=9495 UniProtKB=P24158	Myeloblastin;PRTN3;ortholog	serine protease(PC00203)
HUMAN HGNC=3694 UniProtKB=P02679	Fibrinogen gamma chain;FGG;ortholog	intercellular signal molecule(PC00207)
HUMAN HGNC=537 UniProtKB=P07355	Annexin A2;ANXA2;ortholog	calcium-binding protein(PC00060)

HUMAN HGNC=16219 UniProtKB=Q8TEA8	D-aminoacyl-tRNA deacylase 1;DTD1;ortholog	esterase(PC00097)
HUMAN HGNC=28512 UniProtKB=A6NEQ2	Protein FAM181B;FAM181B;ortholog	
HUMAN HGNC=24526 UniProtKB=Q6DD88	Atlastin-3;ATL3;ortholog	heterotrimeric G-protein(PC00117)
HUMAN HGNC=29051 UniProtKB=O75071	EF-hand calcium-binding domain-containing protein 14;EFCAB14;ortholog	
HUMAN HGNC=8648 UniProtKB=Q15366	Poly(rC)-binding protein 2;PCBP2;ortholog	RNA metabolism protein(PC00031)
HUMAN HGNC=30013 UniProtKB=Q96PD5	N-acetylmuramoyl-L-alanine amidase;PGLYRP2;ortholog	
HUMAN HGNC=5596 UniProtKB=P01772	Immunoglobulin heavy variable 3-33;IGHV3-33;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=25457 UniProtKB=Q8N3F0	Maturin;MTURN;ortholog	
HUMAN HGNC=18756 UniProtKB=Q9BYZ6	Rho-related BTB domain-containing protein 2;RHOBTB2;ortholog	small GTPase(PC00208)
HUMAN HGNC=20731 UniProtKB=Q9HAV0	Guanine nucleotide-binding protein subunit beta-4;GNB4;ortholog	heterotrimeric G-protein(PC00117)
HUMAN HGNC=6442 UniProtKB=P13647	Keratin, type II cytoskeletal 5;KRT5;ortholog	
HUMAN HGNC=9658 UniProtKB=P29350	Tyrosine-protein phosphatase non-receptor type 6;PTPN6;ortholog	protein phosphatase(PC00195)
HUMAN HGNC=4624 UniProtKB=P48637	Glutathione synthetase;GSS;ortholog	ligase(PC00142)
HUMAN HGNC=9802 UniProtKB=P15153	Ras-related C3 botulinum toxin substrate 2;RAC2;ortholog	small GTPase(PC00208)
HUMAN HGNC=8942 UniProtKB=P48595	Serpin B10;SERPINB10;ortholog	protease inhibitor(PC00191)
HUMAN HGNC=22222 UniProtKB=Q9C0H2	Protein tweety homolog 3;TTYH3;ortholog	ion channel(PC00133)
HUMAN HGNC=5895 UniProtKB=P01709	Immunoglobulin lambda variable 2-8;IGLV2-8;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=23192 UniProtKB=Q9H5L6	DNA transposase THAP9;THAP9;ortholog	
HUMAN HGNC=5382 UniProtKB=O75874	Isocitrate dehydrogenase [NADP] cytoplasmic;IDH1;ortholog	dehydrogenase(PC00092)
HUMAN HGNC=9300 UniProtKB=P62714	Serine/threonine-protein phosphatase 2A catalytic subunit beta isoform;PPP2CB;ortholog	protein phosphatase(PC00195)
HUMAN HGNC=6766 UniProtKB=Q8WVG6	MAP kinase-activating death domain protein;MADD;ortholog	
HUMAN HGNC=11179 UniProtKB=P00441	Superoxide dismutase [Cu-Zn];SOD1;ortholog	oxidoreductase(PC00176)
HUMAN HGNC=18676 UniProtKB=Q86XP3	ATP-dependent RNA helicase DDX42;DDX42;ortholog	
HUMAN HGNC=6616 UniProtKB=P48059	LIM and senescent cell antigen-like-containing domain protein 1;LIMS1;ortholog	cell junction protein(PC00070)
HUMAN HGNC=21265 UniProtKB=Q9NZP8	Complement C1r subcomponent-like protein;C1RL;ortholog	serine protease(PC00203)
HUMAN HGNC=11056 UniProtKB=P48067	Sodium- and chloride-dependent glycine transporter 1;SLC6A9;ortholog	primary active transporter(PC00068)
HUMAN HGNC=5713 UniProtKB=P01591	Immunoglobulin J chain;JCHAIN;ortholog	immunoglobulin(PC00123)



HUMAN HGNC=12649 UniProtKB=O95292	Vesicle-associated membrane protein-associated protein B/C;VAPB;ortholog	membrane trafficking regulatory protein(PC00151)
HUMAN HGNC=16820 UniProtKB=Q14162	Scavenger receptor class F member 1;SCARF1;ortholog	membrane traffic protein(PC00150)
HUMAN HGNC=652 UniProtKB=P84077	ADP-ribosylation factor 1;ARF1;ortholog	G-protein(PC00020)
HUMAN HGNC=4553 UniProtKB=P07203	Glutathione peroxidase 1;GPX1;ortholog	peroxidase(PC00180)
HUMAN HGNC=6447 UniProtKB=P35527	Keratin, type I cytoskeletal 9;KRT9;ortholog	
HUMAN HGNC=18994 UniProtKB=Q8TDC3	Serine/threonine-protein kinase BRSK1;BRSK1;ortholog	non-receptor serine/threonine protein kinase(PC00167)
HUMAN HGNC=615 UniProtKB=Q13790	Apolipoprotein F;APOF;ortholog	apolipoprotein(PC00052)
HUMAN HGNC=28984 UniProtKB=Q12768	WASH complex subunit 5;WASHC5;ortholog	membrane traffic protein(PC00150)
HUMAN HGNC=2479 UniProtKB=O76096	Cystatin-F;CST7;ortholog	
HUMAN HGNC=15904 UniProtKB=Q9H8E8	Cysteine-rich protein 2-binding protein;KAT14;ortholog	
HUMAN HGNC=5580 UniProtKB=P01762	Immunoglobulin heavy variable 3-11;IGHV3-11;ortholog	immunoglobulin(PC00123)
HUMAN HGNC=3778 UniProtKB=P02751	Fibronectin;FN1;ortholog	intercellular signal molecule(PC00207)
HUMAN HGNC=29129 UniProtKB=O94919	Endonuclease domain-containing 1 protein;ENDOD1;ortholog	