

SwissTargetPrediction

Target	Common name	Uniprot ID	ChEMBL ID	Target Class	Probability*	Known actives (3D/2D)
Collagenase 3 (by homology)	Mmp13	P33435	CHEMBL3638350	Hydrolase	0.180919787145	2 / 3
Matrix metalloproteinase-2 (by homology)	Mmp2	P33434	CHEMBL3095	Protease	0.180919787145	1 / 6
Liver glycogen phosphorylase (by homology)	Pygl	Q9ET01	CHEMBL3008	Enzyme	0.0972399887602	12 / 1
Protein kinase C alpha	Prkca	P20444	CHEMBL2567	Kinase	0.0972399887602	0 / 198
Protein kinase C delta	Prkcd	P28867	CHEMBL2560	Kinase	0.0972399887602	0 / 51
Beta-secretase 1 (by homology)	Bace1	P56818	CHEMBL4593	Protease	0.0972399887602	0 / 3
Endothelin receptor ET-A (by homology)	Ednra	Q61614	CHEMBL2286	Family A G protein-coupled receptor	0.0972399887602	0 / 1
P-glycoprotein 3 (by homology)	Abcb1a	P21447	CHEMBL2573	Primary active transporter	0.0972399887602	0 / 72
P-glycoprotein 1 (by homology)	Abcb1b	P06795	CHEMBL3467	Primary active transporter	0.0972399887602	0 / 72
Monoglyceride lipase (by homology)	Mgll	O35678	CHEMBL5774	Enzyme	0.0	0 / 2
Epidermal growth factor receptor erbB1 (by homology)	Egfr	Q01279	CHEMBL3608	Kinase	0.0	0 / 2
Cyclooxygenase-1 (by homology)	Ptgs1	P22437	CHEMBL2649	Enzyme	0.0	0 / 1
Norepinephrine transporter (by homology)	Slc6a2	O55192	CHEMBL2370	Electrochemical transporter	0.0	0 / 3
MAP kinase ERK2 (by homology)	Mapk1	P63085	CHEMBL2207	Kinase	0.0	0 / 1
Arachidonate 5-lipoxygenase (by homology)	Alox5	P48999	CHEMBL5211	Oxidoreductase	0.0	0 / 13
Caspase-1 (by homology)	Casp1	P29452	CHEMBL4800	Protease	0.0	3 / 0
Tyrosinase (by homology)	Tyr	P11344	CHEMBL5346	Oxidoreductase	0.0	8 / 0
Phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit gamma isoform (by homology)	Pik3cg	Q9JHG7	CHEMBL2189158	Enzyme	0.0	1 / 0
DNA polymerase beta (by homology)	Polb	Q8K409	CHEMBL4565	Enzyme	0.0	3 / 4
Carbonic anhydrase XIII (by homology)	Ca13	Q9D6N1	CHEMBL2186	Enzyme	0.0	3 / 16
Carbonic anhydrase VII (by homology)	Ca7	Q9ERQ8	CHEMBL2216	Enzyme	0.0	5 / 23
Dual-specificity tyrosine-phosphorylation regulated kinase 1A (by homology)	Dyrk1a	Q61214	CHEMBL4750	Kinase	0.0	0 / 8

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Dual specificity protein kinase CLK1 (by homology)	Clk1	P22518	CHEMBL1075280	Enzyme	0.0	0 / 3
Angiotensin-converting enzyme (by homology)	Ace	P09470	CHEMBL2994	Protease	0.0	12 / 0
Thrombin (by homology)	F2	P19221	CHEMBL1075308	Protease	0.0	1 / 0
Insulin receptor (by homology)	Insr	P15208	CHEMBL3187	Kinase	0.0	1 / 0
Butyrylcholinesterase (by homology)	Bche	Q03311	CHEMBL2528	Hydrolase	0.0	0 / 3
Folylpoly-gamma-glutamate synthetase (by homology)	Fpgs	P48760	CHEMBL2890	Enzyme	0.0	1 / 0
Neprilysin (by homology)	Mme	Q61391	CHEMBL2642	Protease	0.0	9 / 0
Hydroxycarboxylic acid receptor 2 (by homology)	Hcar2	Q9EP66	CHEMBL4420	Family A G protein-coupled receptor	0.0	1 / 0
Sodium/glucose cotransporter 2 (by homology)	Slc5a2	Q923I7	CHEMBL1075302	Electrochemical transporter	0.0	4 / 0
Aldo-keto reductase family 1 member C21 (by homology)	Akr1c21	Q91WR5	CHEMBL1075270	Enzyme	0.0	3 / 13
Thymidylate synthase	Tyms	P07607	CHEMBL3160	Transferase	0.0	4 / 0
Matrix metalloproteinase 9 (by homology)	Mmp9	P41245	CHEMBL2214	Protease	0.0	1 / 4
HMG-CoA reductase (by homology)	Hmgcr	Q01237	CHEMBL2764	Oxidoreductase	0.0	0 / 34
Monoamine oxidase B (by homology)	Maob	Q8BW75	CHEMBL3050	Enzyme	0.0	0 / 1
Histone deacetylase 6 (by homology)	Hdac6	Q9Z2V5	CHEMBL2878	Eraser	0.0	1 / 0
Histone deacetylase 1 (by homology)	Hdac1	O09106	CHEMBL4001	Eraser	0.0	1 / 0
Transcription factor HES-1	Hes1	P35428	CHEMBL1075292	Transcription factor	0.0	1 / 0
Protein-tyrosine phosphatase 1B (by homology)	Ptpn1	P35821	CHEMBL3336	Phosphatase	0.0	2 / 15
Cyclin-dependent kinase 1 (by homology)	Cdk1	P11440	CHEMBL4084	Kinase	0.0	1 / 0
Cytidine deaminase	Cda	P56389	CHEMBL2110	Enzyme	0.0	1 / 0
P-selectin (by homology)	Selp	Q01102	CHEMBL2455	Adhesion	0.0	5 / 0
SGLT1 protein (by homology)	Slc5a1	Q9QXI6	CHEMBL1744523	Unclassified protein	0.0	3 / 0
Toll-like receptor 4	Tlr4	Q9QUK6	CHEMBL1795167	Toll-like and Il-1 receptors	0.0	0 / 7
Dopamine transporter (by homology)	Slc6a3	Q61327	CHEMBL2799	Electrochemical transporter	0.0	0 / 17

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Casein kinase II alpha (by homology)	Csnk2a1	Q60737	CHEMBL3537	Kinase	0.0	1 / 0
Casein kinase II alpha (prime) (by homology)	Csnk2a2	O54833	CHEMBL5326	Kinase	0.0	1 / 0
Dihydroorotate dehydrogenase (by homology)	Dhodh	O35435	CHEMBL2991	Oxidoreductase	0.0	1 / 0
Tyrosine-protein kinase FYN (by homology)	Fyn	P39688	CHEMBL4517	Kinase	0.0	2 / 2
Adenosylhomocysteinase (by homology)	Ahcy	P50247	CHEMBL2389	Enzyme	0.0	3 / 0
AICAR transformylase (by homology)	Atic	Q9CWJ9	CHEMBL2277	Enzyme	0.0	1 / 0
G protein-coupled receptor 44 (by homology)	Ptgdr2	Q9Z2J6	CHEMBL2291	Family A G protein-coupled receptor	0.0	3 / 0
Aminopeptidase N (by homology)	Anpep	P97449	CHEMBL2189140	Protease	0.0	3 / 0
Leukocyte adhesion molecule-1 (by homology)	Sell	P18337	CHEMBL3162	Adhesion	0.0	2 / 0
DNA (cytosine-5)-methyltransferase 1 (by homology)	Dnmt1	P13864	CHEMBL3351195	Writer	0.0	1 / 0
Histone-arginine methyltransferase CARM1 (by homology)	Carm1	Q9WVG6	CHEMBL5538	Writer	0.0	1 / 0
Histone-lysine N-methyltransferase EHMT2 (by homology)	Ehmt2	Q9Z148	CHEMBL2169718	Writer	0.0	1 / 0
Inosine-5'-monophosphate dehydrogenase 2 (by homology)	Impdh2	P24547	CHEMBL3169	Oxidoreductase	0.0	3 / 0
Tyrosine-protein kinase LCK (by homology)	Lck	P06240	CHEMBL2480	Kinase	0.0	1 / 1
B-cell receptor CD22	Cd22	P35329	CHEMBL1075279	Adhesion	0.0	1 / 0
Renin (by homology)	Ren1	P06281	CHEMBL2615	Protease	0.0	1 / 0
Adenosine A2b receptor (by homology)	Adora2b	Q60614	CHEMBL2237	Family A G protein-coupled receptor	0.0	0 / 1
Heat shock protein HSP 90-alpha (by homology)	Hsp90aa1	P07901	CHEMBL4197	Other cytosolic protein	0.0	3 / 3
Kappa opioid receptor (by homology)	Oprk1	P33534	CHEMBL4329	Family A G protein-coupled receptor	0.0	0 / 11
Voltage-gated potassium channel subunit Kv1.3 (by homology)	Kcna3	P16390	CHEMBL4818	Voltage-gated ion channel	0.0	0 / 2
Protein kinase C eta (by homology)	Prkch	P23298	CHEMBL4992	Kinase	0.0	0 / 8
Protein kinase C theta type (by homology)	Prkcq	Q02111	CHEMBL1075295	Kinase	0.0	0 / 11

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Estrogen receptor alpha (by homology)	Esr1	P19785	CHEMBL3065	Nuclear receptor	0.0	1 / 1
Androgen Receptor (by homology)	Ar	P19091	CHEMBL3056	Nuclear receptor	0.0	0 / 4
Serotonin transporter (by homology)	Slc6a4	Q60857	CHEMBL4642	Electrochemical transporter	0.0	0 / 5
Adenosine A1 receptor (by homology)	Adora1	Q60612	CHEMBL3688	Family A G protein-coupled receptor	0.0	10 / 1
Muscarinic acetylcholine receptor M2 (by homology)	Chrm2	Q9ERZ4	CHEMBL3197	Family A G protein-coupled receptor	0.0	0 / 11
Muscarinic acetylcholine receptor M1 (by homology)	Chrm1	P12657	CHEMBL3733	Family A G protein-coupled receptor	0.0	0 / 12
Peroxisome proliferator-activated receptor alpha (by homology)	Ppara	P23204	CHEMBL2128	Nuclear receptor	0.0	0 / 8
Transient receptor potential cation channel subfamily V member 4	Trpv4	Q9EPK8	CHEMBL6126	Voltage-gated ion channel	0.0	0 / 4
Delta opioid receptor (by homology)	Oprd1	P32300	CHEMBL3222	Family A G protein-coupled receptor	0.0	0 / 1
DNA topoisomerase I (by homology)	Top1	Q04750	CHEMBL2814	Isomerase	0.0	3 / 3
Nitric oxide synthase, inducible	Nos2	P29477	CHEMBL3464	Enzyme	0.0	0 / 1
Estradiol 17-beta-dehydrogenase 2 (by homology)	Hsd17b2	P51658	CHEMBL1914270	Enzyme	0.0	0 / 1
Peroxisome proliferator-activated receptor gamma	Pparg	P37238	CHEMBL2459	Nuclear receptor	0.0	0 / 1
Acetylcholinesterase (by homology)	Ache	P21836	CHEMBL3198	Hydrolase	0.0	0 / 2
Peroxisome proliferator-activated receptor delta (by homology)	Ppard	P35396	CHEMBL2458	Nuclear receptor	0.0	0 / 5
Cannabinoid CB1 receptor (by homology)	Cnr1	P47746	CHEMBL3037	Family A G protein-coupled receptor	0.0	0 / 1
Cannabinoid CB2 receptor (by homology)	Cnr2	P47936	CHEMBL5373	Family A G protein-coupled receptor	0.0	0 / 2
Adenosine A2a receptor (by homology)	Adora2a	Q60613	CHEMBL2115	Family A G protein-coupled receptor	0.0	6 / 1
Glucagon receptor (by homology)	Gcgr	Q61606	CHEMBL4773	Family B G protein-coupled receptor	0.0	0 / 1
Dual specificity phosphatase Cdc25B (by homology)	Cdc25b	P30306	CHEMBL2723	Phosphatase	0.0	0 / 1

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Sigma opioid receptor (by homology)	Sigmar1	O55242	CHEMBL3465	Membrane receptor	0.0	0 / 1
Platelet activating factor receptor	Ptafr	Q62035	CHEMBL3993	Family A G protein-coupled receptor	0.0	0 / 3
Serotonin 1a (5-HT1a) receptor (by homology)	Htr1a	Q64264	CHEMBL3737	Family A G protein-coupled receptor	0.0	0 / 3
11-beta-hydroxysteroid dehydrogenase 1	Hsd11b1	P50172	CHEMBL3910	Enzyme	0.0	0 / 1
Testosterone 17-beta-dehydrogenase 3 (by homology)	Hsd17b3	P70385	CHEMBL1932905	Enzyme	0.0	0 / 1
Catechol O-methyltransferase (by homology)	Comt	O88587	CHEMBL3286068	Transferase	0.0	0 / 1
Estrogen receptor beta (by homology)	Esr2	O08537	CHEMBL2995	Nuclear receptor	0.0	1 / 1
PI3-kinase p110-alpha subunit (by homology)	Pik3ca	P42337	CHEMBL2499	Enzyme	0.0	1 / 1
Cyclooxygenase-2 (by homology)	Ptgs2	Q05769	CHEMBL4321	Oxidoreductase	0.0	2 / 7
Mu opioid receptor (by homology)	Oprm1	P42866	CHEMBL2858	Family A G protein-coupled receptor	0.0	1 / 3
Glycogen synthase kinase-3 beta (by homology)	Gsk3b	Q9WV60	CHEMBL1075321	Kinase	0.0	1 / 6
Epoxide hydratase	Ephx2	P34914	CHEMBL4140	Protease	0.0	2 / 1