

SPOT	UniProt ID ^u	SCORE/ MATCHES	SEQ. COV.	PROTEIN	PROTEIN CLASS ^p	LOCALIZATION ^u	MOLECULAR FUNCTION ^u	BIOLOGICAL PROCESS ^u
c3	Q3ZCI9 (TCPQ_BOVIN)	119/11	26%	T-complex protein 1 subunit theta	Plasma proteins, Predicted intracellular proteins,	INTRACELLULAR (cytoskeleton, cytosol)	ATP binding Unfolded protein binding	Protein folding
c4	Q2KJF1 (A1BG_BOVIN)	93/13	48%	Alpha-1B-glycoprotein	Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins,	EXTRACELLULAR (secreted - liver)	Unknown	Platelet degranulation Neutrophil degranulation
c12	Q95215 (BGH3_RABIT)	99/10	21%	Transforming growth factor-beta-induced protein ig-h3	Plasma proteins, Predicted intracellular proteins, Predicted secreted proteins Disease related genes	EXTRACELLULAR (secreted)	Collagen binding Extracellular matrix binding Integrin binding	Cell adhesion
c19	Q9GK13 (MUTA_BOVIN)	58/14	28%	Methylmalonyl-CoA mutase, mitochondrial	Plasma proteins, Predicted intracellular proteins, Disease related genes, Enzymes, FDA approved drug targets	INTRACELLULAR (mitochondrion matrix)	GTPase activity Cobalamin binding Metal ion binding Catalytic activity	Isomerase Metabolism
c23	P27124 (FKBP4_RABIT)	97/9	31%	Peptidyl-prolyl cis-trans isomerase FKBP4	Plasma proteins, Predicted intracellular proteins,	INTRACELLULAR (nucleus, cytosol, cytoskeleton and mitochondrion)	ATP & GTP binding Glucocorticoid receptor binding Heat shock protein binding Isomerase activity	Androgen receptor signalling pathway Protein folding Embryo implantation & male sex differentiation

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								Steroid hormone receptor complex assembly
c25	Q9TTC6 (PPIA_RABIT)	70/5	28%	Peptidyl-prolyl cis-trans isomerase A	Plasma proteins, Predicted intracellular proteins, Enzymes,	EXTRACELLULAR (secreted - cytosol, nucleus)	Cyclosporine A binding Isomerase activity	Protein folding Protein isomerisation
c27	P08831 (IL1A_BOVIN)	66/7	27%	Interleukin-1 alpha	Plasma proteins, Predicted intracellular proteins, Transporters, Cancer-related genes,	EXTRACELLULAR (secreted – cytosol)	Cooper ion binding Cytokine activity	Cytokine-mediated signaling pathway Inflammatory response Pyrogen
c27	Q3T0P6 (PGK1_BOVIN)	64/7	25%	Phosphoglycerate kinase 1	Plasma proteins, Predicted intracellular proteins, Disease related genes, Enzymes, Potential drug targets	INTRACELLULAR (cytosol)	ATP binding Catalytic activity	Glycolytic process Epithelial cell differentiation Response to hypoxia
c21	Q0VCP3 (OLFL3_BOVIN)	62/6	17%	Olfactomedin-like protein 3	Predicted secreted proteins , Predicted intracellular proteins,	EXTRACELLULAR (secreted)	Unknown	Multicellular organism development (developmental protein)
c7	Q3SZE9 (TBCC_BOVIN)	76/7	29%	Tubulin-specific chaperone C	Predicted intracellular proteins,	INTRACELLULAR (cytosol)	GTPase activity Tubulin binding	Cell morphogenesis

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								Tubulin complex assembly Protein folding
c18	A5PK00 (VPS36_BOVIN)	116/10	38%	Vacuolar protein- sorting-associated protein 36	Predicted intracellular proteins,	INTRACELLULAR (nucleus, endosome)	Lipid binding Ubiquitin binding	Protein transport (to vacuole involved in ubiquitin- dependent protein catabolic process) Transcription Regulation of transcription
c20	P05128 (KPCG_BOVIN)	106/9	22%	Protein kinase C gamma type	Predicted intracellular proteins, Disease related genes, Enzymes, Potential drug targets, RAS pathway related proteins	INTRACELLULAR (cell membrane, cytosol)	ATP binding Protein kinase activity Zinc ion binding	Catalytic activity Intracellular signal transduction Biological rhythms
c22	A4IFK7 (RIPL2_BOVIN)	67/6	34%	RILP-like protein 2 (Rab Interacting Lysosomal Protein – like 2)	Predicted intracellular proteins,	INTRACELLULAR (cytoskeleton, cytosol, cilium)	Dynein light intermediate chain binding Small GTPase binding Protein dimerization activity	Cilium assembly Epithelial cell morphogenesis Protein transport (from ciliary

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								membrane to plasma membrane)
c24	A6QL79 (NATD1_BOVIN)	64/4	53%	Protein NATD1 (N-acetyltransferase domain-containing protein 1)	Predicted intracellular proteins,	INTRACELLULAR	Unknown	Unknown
c26	E1BLZ4 (ZFY26_BOVIN)	105/15	9%	Zinc finger FYVE domain-containing protein 26	Predicted intracellular proteins, Disease related genes,	INTRACELLULAR (cytoskeleton, cytosol)	Metal ion binding PIP3 binding	Cell cycle Cell division Regulation of cytokinesis DNA repair
c31	O97725 (NDUAC_BOVIN)	81/5	46%	NADH dehydrogenase [ubiquinone] 1 alpha subcomplex subunit 12	Predicted intracellular proteins, Disease related genes,	INTRACELLULAR (mitochondrion inner membrane)	Electron transfer activity	Electron transport Respiratory chain Mitochondrial ATP synthesis
c32	E1BFE9 (BI2L2_BOVIN)	62/7	17%	Brain-specific angiogenesis inhibitor 1-associated protein 2-like protein 2	Predicted intracellular proteins,	INTRACELLULAR (cell membrane)	Phospholipid binding	Actin crosslink formation Insulin receptor signalling pathway Actin filament organisation

^u – data obtained from <https://www.uniprot.org/>

^p – data obtained from <https://www.proteinatlas.org/>

Matches - the number of peptides in the MS spectrum that match the sequences from the database.

SEQ COV = sequence coverage - what percentage of the protein found in the study is covered by peptides from the MS spectrum.