

Additional File

Protein names and cross references to accession numbers and categories.

Protein Name	NCBI GI Number	Swiss-Prot Access. No.	Functional Categories	Refs.
14-3-3 protein β/α	gi 4507949	P31946	RSSP, RPPT, Blocks the nuclear translocation of SRPK2	(40, 48)
14-3-3 protein γ	gi 48428721	P61981	RSSP, RPPT	(41)
14-3-3 protein ζ/δ	gi 4507953	P63104	RSSP, RPPT	(20, 66)
14-3-3 protein ϵ	gi 51702210	P62258	RSSP, RPPT, Interacts with PKA-P AANAT and SRPK2-P.	(32)
14-3-3 protein η	gi 4507951	Q04917	RSSP, RPPT, Negatively regulates the kinase activity of PDPK1	(73)
14-3-3 protein τ/θ	gi 112690	P27348	RSSP, RPPT, Negatively regulates the kinase activity of PDPK1	(73)
14-3-3 protein σ	gi 5454052	P31947	RSSP, RPPT, When bound to KRT17, regulates protein synthesis and epithelial cell growth by stimulating Akt/mTOR pathway	(36)
40S ribosomal protein SA	gi 9845502	P08865	assembly and/or stability of the 40S ribosomal subunit, Interacts with several laminins including at least LAMB1	(90)
40S ribosomal protein S3	gi 157 18687	P23396	Identified in a HCV IRES-mediated translation complex	(106)
ubiquitin-40S ribosomal protein S27a	gi 302393745	P62979	Ribosomal protein S27a is part of the 40S ribosomal subunit	
60S ribosomal protein L5	gi 81175191	P46777	Formation of the 60S ribosomal subunits	(71)
60S ribosomal protein L7	gi 15431301	P18124	regulatory role in the translation apparatus	(35, 71)
60S ribosomal protein L11	gi 51702795	P62913	formation of the 60S ribosomal subunits, Promotes nucleolar location of PML	(28)
60S ribosomal protein L15	gi 358356407	Q64211	ribosomal protein L15e family	
60S ribosomal protein L22	gi 464628	P35268	formation of the 60S ribosomal subunits	(25)
60S ribosomal protein L26	gi 23396835	Q9UNX3	ribosomal protein L24P family	
EF 1- α 1	gi 55584035	P68104	promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis	(4)
eIF4H	gi 18276665	Q15056	Stimulates the RNA helicase activity of EIF4A in the translation initiation complex, Binds weakly mRNA.	(70, 72)
eIF4A	gi 4503529	P60842	unwinds secondary structures in the 5'-UTR of mRNAs to allow efficient binding of the small ribosomal subunit, and subsequent scanning for the initiator codon.	(11, 50, 76)
eIF6	gi 3122258	P56537	Binds to the 60S ribosomal subunit and prevents its association with the 40S ribosomal subunit to form the 80S initiation complex in the cytoplasm	(10)
calreticulin	gi 117501	P27797	Component of an EIF2 complex	(12)
Actin, cytoplasmic	gi 46397333	P60709	ribonucleoprotein complex containing untranslated mRNAs	(42)
Tubulin alpha	gi 224471855	Q6PEY2	major constituent of microtubules	
KRT17	gi 547751	Q04695	Regulates protein synthesis and epithelial cell growth through binding to the adapter protein SFN and by stimulating Akt/mTOR pathway	(87)
macrophage-capping protein	gi 63252913	H9ERB0	barbed-end actin filament capping, protein complex assembly	(15)

List of proteins identified by mass spec in shift assays with cross references to NCBI GI number, Swiss-Prot accession number, and functional protein categories (RSSP, regulation of a large spectrum of both general and specialized signaling pathways; RPPT, recognition of a phosphoserine or phosphothreonine motif²). Classification into Functional Categories was based on information in the references cited (see reference list in manuscript).