

Product datasheet for **TP323182M**

DAP3 (NM_033657) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human death associated protein 3 (DAP3), nuclear gene encoding mitochondrial protein, transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC223182 representing NM_033657 Red =Cloning site Green =Tags(s)

MMLKGITRLISRIHKLDPGRFLHMGQTARQSIAAHLDNQVPVESPRAISRTNENDPAKHGDQHEGQHYNISPDLETVPFHGLPPRFVMQVKTFSEACLMVRKPALELLHLYLNKTSFAYPAIRYLLYGEKGTGKTLSLCHVIHFCAKQDWLILHIPDAHLWVKNCRDLLQSSYNKQRFDQPLEASTWLKNFKTTNERFLNQIKVQEKYVWNKRETEKGSPLGEVVEQGITRVRNATDAVGIVLKEKLRQSSLGMFHLLVAVDGINALWGRITTLKREDKSPIAPEELALVHNLKMMKNDWHGGAIVSALSQTGSLFKPRKAYLPQELGKEGFDALDPFIPILVSNYNPKFESCIIYYLENNWLQHEKAPTEEGKKELLFLSNANPSLLERHCAYL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	45.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_387506</u>



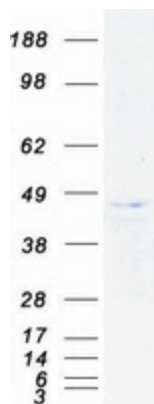
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Locus ID:	7818
UniProt ID:	P51398
RefSeq Size:	1650
Cytogenetics:	1q22
RefSeq ORF:	1194
Synonyms:	bMRP-10; DAP-3; MRP-S29; MRPS29; S29mt

Summary: Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 28S subunit protein that also participates in apoptotic pathways which are initiated by tumor necrosis factor-alpha, Fas ligand, and gamma interferon. This protein potentially binds ATP/GTP and might be a functional partner of the mitoribosomal protein S27. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. Pseudogenes corresponding to this gene are found on chromosomes 1q and 2q. [provided by RefSeq, Dec 2010]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified DAP3 protein (Cat# [TP323182]). The protein was produced from HEK293T cells transfected with DAP3 cDNA clone (Cat# [RC223182]) using MegaTran 2.0 (Cat# [TT210002]).