

Product datasheet for PH323182

DAP3 (NM_033657) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DAP3 MS Standard C13 and N15-labeled recombinant protein (NP_387506)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC223182
Predicted MW:	45.4 kDa
Protein Sequence:	>RC223182 representing NM_033657 Red =Cloning site Green =Tags(s)

MMLKGITRLISRIHKLDPGRFLHMGTRQARQSIAAHLDNQVPVESPRAISRTNENDPAKHGDQHEGQHYNISPODLETVPFHGLPPRFVMQVKTFSEACLMVRKPALELLHYLKNTSFAYPAIRYLLYGEKGTGKTLSLCHVIHFCAKQDWLILHIPDAHLWVKNCRDLLQSSYNKQRFQPLEASTWLKNFKTTNERFLNQIKVQEKYVWNKRESTEKGSPLGEVVEQGITRVRNATDAVGIVLKEKLRQSSLGFMHLLVAVDGINALWGRITTLKREDKSPIAPEELALVHNLKMMKNDWHGGAIVSALSQTGSLFKPRKAYLPQELLGKEGFDALDPFIPILVSNNPKKEFESCIQYYLENLWQHEKAPTEEGKKELLFLSNANPSLLERHCAYL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_387506</u>
RefSeq Size:	1650
RefSeq ORF:	1194
Synonyms:	bMRP-10; DAP-3; MRP-S29; MRPS29; S29mt
Locus ID:	7818


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UniProt ID: [P51398](#)

Cytogenetics: 1q22

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- α , 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]).