

Product datasheet for **TP300834M**

MRPS34 (NM_023936) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human mitochondrial ribosomal protein S34 (MRPS34), nuclear gene encoding mitochondrial protein, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200834 protein sequence Red =Cloning site Green =Tags(s)
	 MARKKVRPRLIAELARRVRALREQLNRPDSQLYAVDYETLTRPFSGRRLPVRAWADVRRRESRLQLLGR LPLFGLGRLVTRKSWLWQHDEPCYWRLTRVRPDYTAQNLDHGKAWGILTFKKGKTESEAREIEHVMYHDWR LVPKHEEEAFTAFTPAPEDSLASVPYPPLLRAMIAERQKNGDTSTEEPMLNVQIRMEPWDYPAKQEDK GRAKGPV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	25.5 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_076425</u>
Locus ID:	65993

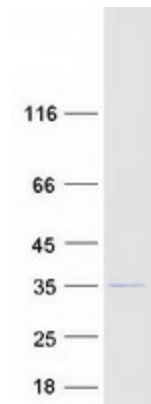


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UniProt ID: [P82930](#)
RefSeq Size: 1020
Cytogenetics: 16p13.3
RefSeq ORF: 654
Synonyms: COXPD32; MRP-S12; MRP-S34; MRPS12

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. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

Product images:



Coomassie blue staining of purified MRPS34 protein (Cat# [TP300834]). The protein was produced from HEK293T cells transfected with MRPS34 cDNA clone (Cat# [RC200834]) using MegaTran 2.0 (Cat# [TT210002]).