

Product datasheet for TP320428

MRPL30 (NM_145213) Human Recombinant Protein

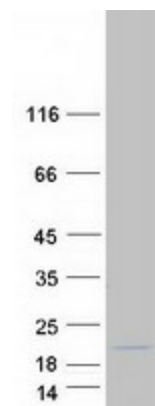
Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human mitochondrial ribosomal protein L30 (MRPL30), nuclear gene encoding mitochondrial protein, transcript variant 3, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC220428 protein sequence Red =Cloning site Green =Tags(s) MAGILRLVQWPPGRLQTVTKGVESLICDWRHKFTRSRRIPEKVFQASPEDHEKYGGDPQNPHKLHIVT RIKSTRRRPYWEKDIIKMLGLEKAHTPQVHKNIPSVNAKLKVVKHLIRIKPLKLPQGLPAEENMSNTCLK STGELVVQWHLKPVEQKAHES TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	18.4 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_660214</u>
Locus ID:	51263
UniProt ID:	<u>Q8TCC3</u>


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RefSeq Size:	1172
Cytogenetics:	2q11.2
RefSeq ORF:	483
Synonyms:	FLJ44438; MGC3314; MGC24095; mitochondrial ribosomal protein L30; MRP-L28; MRPL28; OTTHUMP00000161222; RPML28
Summary:	<p>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 39S subunit protein. Alternative splicing results in multiple transcript variants. Pseudogenes corresponding to this gene are found on chromosomes 6p and 12p. Read-through transcription also exists between this gene and the neighboring upstream lipoyltransferase 1 (LIPT1) gene. [provided by RefSeq, Mar 2011]</p>

Product images:



Coomassie blue staining of purified MRPL30 protein (Cat# TP320428). The protein was produced from HEK293T cells transfected with MRPL30 cDNA clone (Cat# [RC220428]) using MegaTran 2.0 (Cat# [TT210002]).