

Product datasheet for TP304786L

MRPL46 (NM_022163) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human mitochondrial ribosomal protein L46 (MRPL46), nuclear gene encoding mitochondrial protein, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204786 protein sequence Red =Cloning site Green =Tags(s)

MAAPVRRRTLLGVAGGWRRFERLWAGSLSSRSLALAAAPSSNGSPWRLLGALCLQRPPVWSKPLTPLQEEM
 ASLLQQIEIERSLYSDHELRLDENQRLAKKKADLHDEEDEQDILLAQDLEDMWEEKFLQFKLGARITEA
 DEKNDRTSLNRKLDRLVLLVREKFGDQDVWILPQAEWQPGETLRGTAERTLATLSENNMEAKFLGNAP
 C
 GHYTFKFPQAMRTESNLGAKVFFFKALLLTGDFSQAGNKGHHVWTKDELGDYLPKPKYLAQVRRFVSDL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	31.5 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:	NP_071446
Locus ID:	26589


[View online »](#)

UniProt ID:	Q9H2W6
RefSeq Size:	1020
Cytogenetics:	15q25.3
RefSeq ORF:	837
Synonyms:	C15orf4; LIECG2; P2ECSL
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. [provided by RefSeq, Jul 2008]</p>

Product images:



Coomassie blue staining of purified MRPL46 protein (Cat# [TP304786]). The protein was produced from HEK293T cells transfected with MRPL46 cDNA clone (Cat# [RC204786]) using MegaTran 2.0 (Cat# [TT210002]).