

Product datasheet for **TP300425M**

RPL14 (NM_003973) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human ribosomal protein L14 (RPL14), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200425 protein sequence Red =Cloning site Green =Tags(s)
	 MVFRRFVEVGRVAYVSFGPHAGKLVAVDVIDQNRALVDGPCTQVRRQAMPFKCMLTDFILKFPNSAHQ KYVRQAWQKADINTKWAATRWAKKIEARERKAKMTDFDRFKVMKAKKMRNRIIKNEVKKLQKAALLKASP KKAPGTKGTAAAAAAAAAAAAKVPKAKITAASKKAPAQKVPAQKATGQKAAPAPKAQKKGQKAPAQKAPAPK ASGKKA TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	23.3 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_003964
Locus ID:	9045
UniProt ID:	P50914



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RefSeq Size:	875
Cytogenetics:	3p22.1
RefSeq ORF:	648
Synonyms:	CAG-ISL-7; CTG-B33; hRL14; L14; RL14

Summary: Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L14E family of ribosomal proteins. It contains a basic region-leucine zipper (bZIP)-like domain. The protein is located in the cytoplasm. This gene contains a trinucleotide (GCT) repeat tract whose length is highly polymorphic; these triplet repeats result in a stretch of alanine residues in the encoded protein. Transcript variants utilizing alternative polyA signals and alternative 5'-terminal exons exist but all encode the same protein. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq, Jul 2008]

Protein Pathways: Ribosome

Product images:



Coomassie blue staining of purified RPL14 protein (Cat# [TP300425]). The protein was produced from HEK293T cells transfected with RPL14 cDNA clone (Cat# [RC200425]) using MegaTran 2.0 (Cat# [TT210002]).