

Product datasheet for PH300425

RPL14 (NM_003973) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RPL14 MS Standard C13 and N15-labeled recombinant protein (NP_003964)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200425
Predicted MW:	23.5 kDa
Protein Sequence:	>RC200425 protein sequence Red=Cloning site Green=Tags(s) MVFRRFVEVGRVAYVSFGPHAGKLVVAIVDVIDQNRALVDGPCTQVRRQAMPFKCMQLTDFILKFPNSAHQ KYVRQAWQKADINTKWAATRWAKKIEARERKAKMTDFDRFKVMKAKKMRNRIKNEVKKLQKAALLKASP KKAPGKTGTAATAAAAAAAAAAKVPAKKITAASKKAPAQKVPAQKATGQKAAPAPKAQKGQKAPAQKAPAPK ASGKKA TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
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:	NP_003964
RefSeq Size:	875
RefSeq ORF:	648
Synonyms:	CAG-ISL-7; CTG-B33; hRL14; L14; RL14
Locus ID:	9045
UniProt ID:	P50914



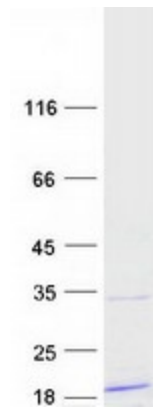
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Cytogenetics: 3p22.1

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]).