

Product datasheet for PH310653

RPL8 (NM_000973) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RPL8 MS Standard C13 and N15-labeled recombinant protein (NP_000964)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210653
Predicted MW:	28 kDa
Protein Sequence:	>RC210653 protein sequence Red=Cloning site Green=Tags(s) MGRVIRGQRKAGSVFRAHVKHKRGAARLRAVDF AERHGYIKGIVKDI IHDPGRGAPLAKVFRDPYRFK KRTELFIAAEGIHGQFVYCGKKAQLNIGNVLPVGTMPGEGTIVCCLEEKPGDRGKLARASGNYATVISHN PETKKTRVKLPSGSKKVISSANRAVVGVVAGGGRIDKPI LKAGRAYHKYAKRNCWPRVRGVAMNPVEHP FGGGNHQHIGKPSTIRRDPAGRKVGLIAARTGRLRGTKTVQEKEN 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_000964
RefSeq Size:	903
RefSeq ORF:	771
Synonyms:	L8
Locus ID:	6132
UniProt ID:	P62917



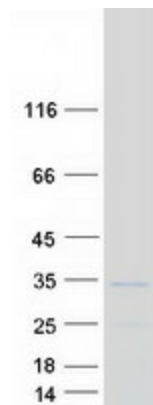
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Cytogenetics: 8q24.3

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 L2P family of ribosomal proteins. It is located in the cytoplasm. In rat, the protein associates with the 5.8S rRNA, very likely participates in the binding of aminoacyl-tRNA, and is a constituent of the elongation factor 2-binding site at the ribosomal subunit interface. Alternatively spliced transcript variants encoding the same protein exist. 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 RPL8 protein (Cat# [TP310653]). The protein was produced from HEK293T cells transfected with RPL8 cDNA clone (Cat# [RC210653]) using MegaTran 2.0 (Cat# [TT210002]).