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Product datasheet for PH301445

RPLP0 (NM_053275) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RPLP0 MS Standard C13 and N15-labeled recombinant protein (NP_444505)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201445
Predicted MW:	34.3 kDa
Protein Sequence:	>RC201445 protein sequence Red=Cloning site Green=Tags(s) MPREDRATWKSNYFLKIIQLLDDYPKCFIVGADNVGSKQMQQIRMSLRGKAVVLMGKNTMMRKAIRGHLE NNPALEKLLPHIRGNVGFVFTKEDLTEIRDMLLANKVPAAARAGAIAPCEVTVPAQNTGLGPEKTSFFQA LGITTKISRGTIEILSDVQLIKTGDKVGASEATLLNMLNISPFSFGLVIQQVFDNGSIYNPEVLDITEET LHSRFLEGVRNVASVCLQIGYPTVASVPHSIINGYKRVLALSVETDYTFPLAEKVKAFLADPSAFVAAAP VAAATTAAPAAAAAPAKVEAKEESEESDEDMGFGLFD TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_444505
RefSeq Size:	1289
RefSeq ORF:	951
Synonyms:	L10E; LP0; P0; PRLP0; RPP0
Locus ID:	6175

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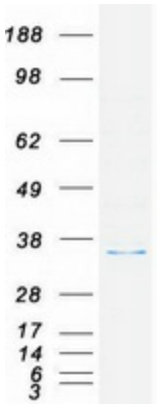
UniProt ID: P05388, A0A024RBS2

Cytogenetics: 12q24.23

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, which is the functional equivalent of the E. coli L10 ribosomal protein, belongs to the L10P family of ribosomal proteins. It is a neutral phosphoprotein with a C-terminal end that is nearly identical to the C-terminal ends of the acidic ribosomal phosphoproteins P1 and P2. The P0 protein can interact with P1 and P2 to form a pentameric complex consisting of P1 and P2 dimers, and a P0 monomer. The protein is located in the cytoplasm. Transcript variants derived from alternative splicing exist; they 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 RPLP0 protein (Cat# [TP301445]). The protein was produced from HEK293T cells transfected with RPLP0 cDNA clone (Cat# [RC201445]) using MegaTran 2.0 (Cat# [TT210002]).

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