

Product datasheet for PH306317

RPL18 (NM_000979) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	RPL18 MS Standard C13 and N15-labeled recombinant protein (NP_000970)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206317
Predicted MW:	21.7 kDa
Protein Sequence:	>RC206317 protein sequence Red=Cloning site Green=Tags(s) MGVDIRHNKDRKVRKPEKPSQDIYLRLLVKLYRFLARRTNSTFNQVVLKRLFMSRTNRPPPLCLSRMIRKM KLPGRENKTAVVVGTITDDVRVQEVPKLKVCALRVTSRARSRILRAGGKILTFDQLALDSPKGCCTVLLS GPRKGREVYRHF GKAPGTPHSHTKPYVRSKGRKFERARGRRASRGYKN 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- 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_000970
RefSeq Size:	893
RefSeq ORF:	564
Synonyms:	DBA18; L18
Locus ID:	6141
UniProt ID:	Q07020 , A0A024QZD1



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Cytogenetics: 19q13.33

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 member of the L18E family of ribosomal proteins that is a component of the 60S subunit. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jul 2012]

Protein Pathways: Ribosome

Product images:



Coomassie blue staining of purified RPL18 protein (Cat# [TP306317]). The protein was produced from HEK293T cells transfected with RPL18 cDNA clone (Cat# [RC206317]) using MegaTran 2.0 (Cat# [TT210002]).