

## Product datasheet for PH312114

### RPL12 (NM\_000976) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	RPL12 MS Standard C13 and N15-labeled recombinant protein (NP_000967)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212114
Predicted MW:	17.8 kDa
Protein Sequence:	>RC212114 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MPPKFDPN EIKV VYLRCTGG EVGATSALAPKIGPLGLSPKKGDDIAKATGDWKGLRITVKLTIQNRQAQ IEVVPSASAL I I KALKEPPRDRKKQKN I KHSGNITFDEIVNIARQMRHRS LARELSGTIKEILGTAQSVG CNVDGRHPHDIIDDINS GAVECPAS  <b>TR</b> TRPLEQKLI 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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_000967</a>
RefSeq Size:	674
RefSeq ORF:	495
Synonyms:	L12
Locus ID:	6136
UniProt ID:	<a href="#">P30050</a>



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**Cytogenetics:** 9q33.3

**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 L11P family of ribosomal proteins. It is located in the cytoplasm. The protein binds directly to the 26S rRNA. This gene is co-transcribed with the U65 snoRNA, which is located in its fourth intron. 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 RPL12 protein (Cat# [TP312114]). The protein was produced from HEK293T cells transfected with RPL12 cDNA clone (Cat# [RC212114]) using MegaTran 2.0 (Cat# [TT210002]).