

## Product datasheet for PH310570

### RPS14 (NM\_005617) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	RPS14 MS Standard C13 and N15-labeled recombinant protein (NP_005608)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210570
Predicted MW:	16.3 kDa
Protein Sequence:	>RC210570 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MAPRKGKEKKEEQVISLGPQVAEGENVFVGVCHIFASFNDTFVHVTDLSGKETICRVGTGGMKVKADRDESS PYAAMLA AQDVAQRCKELGITALHIKLRATGGNRTKTPGPGAQSALRALARSGMKIGRIEDVTPIPSDST RRKGGRRGRRL  <b>TR</b> TRPLEQ <b>KL</b> ISEEDLAANDILDYKDDDDKV
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_005608</a>
RefSeq Size:	576
RefSeq ORF:	453
Synonyms:	EMTB; S14
Locus ID:	6208
UniProt ID:	<a href="#">P62263</a>

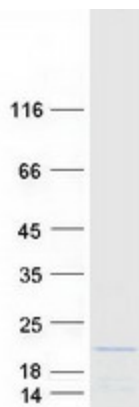


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**Cytogenetics:** 5q33.1

**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 40S subunit. The protein belongs to the S11P family of ribosomal proteins. It is located in the cytoplasm. Transcript variants utilizing alternative transcription initiation sites have been described in the literature. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. In Chinese hamster ovary cells, mutations in this gene can lead to resistance to emetine, a protein synthesis inhibitor. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]

### Product images:



Coomassie blue staining of purified RPS14 protein (Cat# [TP310570]). The protein was produced from HEK293T cells transfected with RPS14 cDNA clone (Cat# [RC210570]) using MegaTran 2.0 (Cat# [TT210002]).