

## Product datasheet for PH306766

### RPL14 (NM\_001034996) Human Mass Spec Standard

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Mass Spec Standards  |
| Description:                          | RPL14 MS Standard C13 and N15-labeled recombinant protein (NP_001030168)   |
| Species:                              | Human  |
| Expression Host:                      | HEK293   |
| Expression cDNA Clone or AA Sequence: | RC206766   |
| Predicted MW:                         | 23.6 kDa   |
| Protein Sequence:                     | >RC206766 protein sequence<br>Red=Cloning site Green=Tags(s)<br><br>MVFRRFVEVGRVAYVSFGPHAGKLVAIIVDVIDQNRALVDGPCTQVRRQAMPFKCMQLTDFILKFPNSAHQ<br>KYVRQAWQKADINTKWAATRWAKKIEARERKAKMTDFDRFKVMKAKKMRNRIKNEVKKLQKAALLKASP<br>KKAPGKTGTAAAAAAAAAAAAKVPKAKITAASKKAPAQKQVPAQKATGQKAAPAPKAQKGGKAPAQKAPAP<br>KASGKKA<br><br>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- <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_001030168</a>   |
| RefSeq Size:                          | 939  |
| RefSeq ORF:                           | 651  |
| Synonyms:                             | CAG-ISL-7; CTG-B33; hRL14; L14; RL14   |
| Locus ID:                             | 9045   |
| UniProt ID:                           | <a href="#">P50914</a>   |



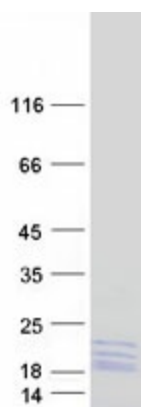
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**Cytogenetics:** 3p22.1

**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 60S subunit. The protein belongs to the L14E family of ribosomal proteins. It contains a basic region-leucine zipper (bZIP)-like domain. The protein is located in the cytoplasm. This gene contains a trinucleotide (GCT) repeat tract whose length is highly polymorphic; these triplet repeats result in a stretch of alanine residues in the encoded protein. Transcript variants utilizing alternative polyA signals and alternative 5'-terminal exons exist but all 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 RPL14 protein (Cat# [TP306766]). The protein was produced from HEK293T cells transfected with RPL14 cDNA clone (Cat# [RC206766]) using MegaTran 2.0 (Cat# [TT210002]).