

## **Product datasheet for PH312114**

## OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

## 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:HumanExpression Host:HEK293

**Expression cDNA Clone** 

RC212114

or AA Sequence:

Predicted MW:

17.8 kDa

**Protein Sequence:** >RC212114 protein sequence

Red=Cloning site Green=Tags(s)

MPPKFDPNEIKVVYLRCTGGEVGATSALAPKIGPLGLSPKKVGDDIAKATGDWKGLRITVKLTIQNRQAQ IEVVPSASALIIKALKEPPRDRKKQKNIKHSGNITFDEIVNIARQMRHRSLARELSGTIKEILGTAQSVG

CNVDGRHPHDIIDDINSGAVECPAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

Concentration:  $>0.05 \mu g/\mu L$  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 000967

 RefSeq Size:
 674

 RefSeq ORF:
 495

 Synonyms:
 L12

 Locus ID:
 6136

 UniProt ID:
 P30050





**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

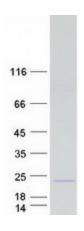
approximately 80 structurally distinct proteins. This gene encodes a ribosomal protein that is a component of the 60S subunit. The protein belongs to the L11P family of ribosomal

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]).