

Recombinant human RPL12 protein

Catalog Number: ATGP1973

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-165aa

UniProt No.

P30050

NCBI Accession No.

NP_000967

Alternative Names

Ribosomal protein L12, L12

PRODUCT SPECIFICATION

Molecular Weight

20.2 kDa (188aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

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. RPL12 is a ribosomal protein that is a component of the 60S subunit. This protein belongs to the L11P family of ribosomal proteins. It is located in the cytoplasm. RPL12 binds directly to the 26S rRNA. Recombinant human RPL12 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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Amino acid Sequence

<MGSSHHHHH SSGLVPRGSH MGS>MPPKFDP NEIKVVYLRC TGGEVGATSA LAPKIGPLGL SPKKVGDDIA
KATGDWKGLR ITVKLTIQNR QAQIEVVPSA SALIIKALKE PPRDRKKQKN IKHSGNITFD EIVNIARQMR HRSLARELSG
TIKEILGTAQ SVGCNVDGRH PHDIIDDINS GAVECPAS

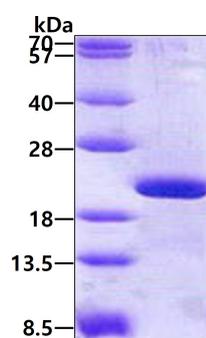
General References

Rush J., et al. (2005) Nat. Biotechnol. 23:94-101

Daub H., et al. (2008) Mol. Cell. 31:438-448

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.