

Recombinant human RPLP2 protein

Catalog Number: ATGP1405

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-115aa

UniProt No.

P05387

NCBI Accession No.

NP_000995.1

Alternative Names

60S acidic ribosomal protein P2, LP2, P2, RPP2

PRODUCT SPECIFICATION

Molecular Weight

14.2 kDa (139aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

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

60S acidic ribosomal protein P2, also known as RPLP2, belongs to the L12P family of ribosomal proteins. This gene encodes a ribosomal phosphoprotein that is a component of the 60S subunit. It is a functional equivalent of the E. coli L7/L12 ribosomal protein. RPLP2 is located in the cytoplasm. It plays an important role in the elongation step of protein synthesis. Unlike most ribosomal proteins, which are basic, the encoded protein is acidic. Recombinant human RPLP2 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

<MGSSHHHHHH SSGLVPRGSH MGSH>MRYVAS YLLAALGGNS SPSAKDIKKI LDSVGEIADD DRLNKVISEL NGKNIEDVIA QGIGKLASVP AGGAVAVSAA PGSAAPAAGS APAAAEKKD EKKEESEESD DDMGFGLFD

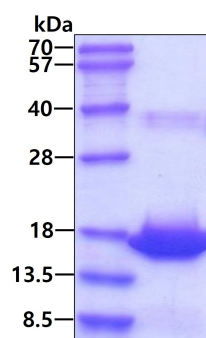
General References

Gardner Thorpe J., et al. (2003) Anticancer Res. 23:4549.

Rich BE., et al. (1987) Mol Cell Biol. 7(11):4065-74.

DATA

SDS-PAGE



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