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# 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**

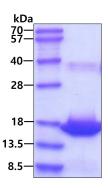
<MGSSHHHHHH SSGLVPRGSH MGSH>MRYVAS YLLAALGGNS SPSAKDIKKI LDSVGIEADD DRLNKVISEL NGKNIEDVIA QGIGKLASVP AGGAVAVSAA PGSAAPAAGS APAAAEEKKD EKKEESEESD DDMGFGLFD

#### **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.

