Recombinant Human Ribosomal Protein, Large, P2, His-tagged

Cat. No. RPLP2-5550H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanRPLP2 protein, fused to His-tag at N-terminus, was expressed in E.coli andpurified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	60S acidic ribosomalprotein P2,also known as RPLP2, belongs to the L12P family of ribosomal proteins. Thisgene encodes a ribosomal phosphoprotein that is a component of the 60Ssubunit. It is a functional equivalent of the E. coli L7/L12 ribosomalprotein. RPLP2 is located in the cytoplasm. It plays an important role in theelongation step of protein synthesis. Unlike most ribosomal proteins, whichare basic, the encoded protein is acidic.
Form	Liquid. In 20mMTris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl.
Molecular Weight	14.2 kDa (139aa) confirmedby MALDI-TOF.
Purity	> 95% by SDS -PAGE.
Concentration	1 mg/ml (determinedby Bradford assay).
Sequences of aminoacids	MGSSHHHHHHSSGLVPRGSH MGSHMRYVAS YLLAALGGNS SPSAKDIKKI LDSVGIEADD DRLNKVISEL NGKNIEDVIAQGIGKLASVP AGGAVAVSAA

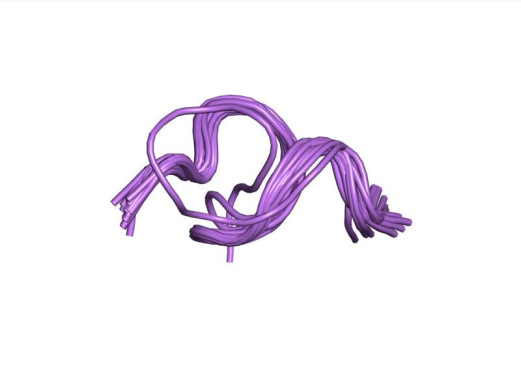
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	PGSAAPAAGS APAAAEEKKD EKKEESEESD DDMGFGLFD
Storage	Can be stored at+4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°Cor -70°C. Avoid repeated freezing and thawing cycles.
OfficialSymbol	RPLP2
Pathways	Cap-dependentTranslation Initiation; Cytoplasmic Ribosomal Proteins; DevelopmentalBiology; Diabetes pathways; Eukaryotic Translation Elongation; EukaryoticTranslation Initiation; Formation of a pool of free 40S subunits; GTPhydrolysis and joining of the 60S ribosomal subunit; Gene Expression;Influenza Life Cycle; Insulin Synthesis and Processing; Metabolism;Metabolism of mRNA; Nonsense Mediated Decay Enhanced by the Exon JunctionComplex; Peptide chain elongation; Ribosome

GENE INFORMATION

Gene Name	RPLP2 ribosomal protein, large,P2 [Homo sapiens]
Synonyms	RPLP2; ribosomalprotein, large, P2; P2; LP2; RPP2; D11S2243E; 60S acidic ribosomal protein P2;renal carcinoma antigen NY-REN-44; acidic ribosomal phosphoprotein P2
Gene ID	6181
mRNA Refseq	NM_001004
Protein Refseq	NP_000995
MIM	180530

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UniProt ID	P05387
Chromosome Location	11p15.5
Function	RNA binding;structural constituent of ribosome
Renderingof RPLP2 from PDB 1S4J	

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