9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

RPLP2 Human

Ribosomal Phosphoprotein P2 Human Recombinant
RCP1907

Product Overview

Name	RPLP2 Human
Description	
Ribosomal Phosphoprotein P2 Human Recombinant	
Accession (Primary)	P05387
Synonyms	
Ribosomal protein large P2, RPP2, MGC71408, P2, Renal carcinoma antigen NY-REN-44, D11S2243E, 60S acidic ribosomal protein P2, Acidic Ribosomal phosphoprotein P2.	
Introduction	
Ribosomes, the organelles which catalyze protein synthesis, contain a small 40S subunit and a large 60S subunit. Together these subunits are composed of 4 RNA species and nearly 80 structurally distinct proteins. This gene encodes a ribosomal phosphoprotein which is a component of the 60S subunit. The protein, which is a functional equivalent of the E. coli L7/L12 ribosomal protein, is a member of the L12P family of ribosomal proteins and has a vital part in the elongation step of protein synthesis. In opposed to most ribosomal proteins, which are basic, the encoded protein is acidic.The P1 C-terminal end is nearly identical to the C-terminal ends of the ribosomal phosphoproteins P0 and P2. The P1 protein can interact with P0 and P2 to form a pentameric complex consisting of P1 and P2 dimers, and a P0 monomer. P1 is located in the cytoplasm. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene distributed all over the genome.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
RPLP2 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 100mM NaCl, 1mM DTT and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 95% as determined by SDS-PAGE.	

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Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGSH MRYVAS YLLAALGGNS SPSAKDIKKI LDSVGIEADD DRLNKVISEL

NGKNIEDVIA QGIGKLASVP AGGAVAVSAA PGSAAPAAGS APAAAEEKKD EKKEESEESD DDMGFGLFD

Precautions

RPLP2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P05387)