Recombinant Full Length Human RPLP0 Protein, His-tagged

Cat. No. RPLP0-2661H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RPLP0 Protein (Met1-Asp317) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Asp317
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. This gene encodes a ribosomal protein that is a component of the 60S subunit. The protein, which is the functional equivalent of the E. coli L10 ribosomal protein, belongs to the L10P family of ribosomal proteins. It is a neutral phosphoprotein with a C-terminal end that is nearly identical to the C-terminal ends of the acidic ribosomal phosphoproteins P1 and P2. The P0 protein can interact with P1 and P2 to form a pentameric complex consisting of P1 and P2 dimers, and a P0 monomer. The protein is located in the cytoplasm. Transcript variants derived from alternative splicing exist; they encode the same protein. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 38 kDa

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	Accurate Molecular Mass: 38 kDa
Endotoxin	<1.0 EU per 1μg (determined by the LAL method).
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	RPLP0 ribosomal protein lateral stalk subunit P0 [Homo sapiens (human)]
Official Symbol	RPLP0
Synonyms	RPLP0; ribosomal protein lateral stalk subunit P0; P0; LP0; L10E; RPP0; PRLP0; 60S acidic ribosomal protein P0 60S ribosomal protein L10E acidic ribosomal phosphoprotein P0 large ribosomal subunit protein uL10

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	neutral ribosomal phosphoprotein P0 ribosomal protein, large, P0
Gene ID	6175
mRNA Refseq	NM_001002
Protein Refseq	NP_000993
MIM	180510
UniProt ID	P05388

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