Recombinant Human RPLP0 Protein (Pro2-Asp317), N-His tagged

Cat. No. RPLP0-5463H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RPLP0 (Pro2-Asp317) fused with the N-terminal His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Pro2-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	Lyophilized powder/frozen liquid

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Molecular Mass	35.76 kDa
Purity	> 90 % as determined by SDS-PAGE
Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS, pH 7.5, 0.02 % Sarcosyl or lyophilized from PBS, pH 7.5, 0.02 % Sarcosyl.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

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; uL10; PRLP0; large ribosomal subunit protein uL10; 60S acidic ribosomal protein P0; 60S ribosomal protein L10E; acidic ribosomal phosphoprotein P0; neutral ribosomal phosphoprotein P0; ribosomal protein, large, P0
Gene ID	6175
mRNA Refseq	NM_001002

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Protein Refseq	NP_000993
MIM	180510
UniProt ID	P05388

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