

Recombinant Full Length Human RPLP0 Protein, C-Flag-tagged

Cat. No. RPLP0-1633HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Recombinant Full Length Human RPLP0 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.

Species

Human

Source

Mammalian Cells

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

25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.

Molecular Mass

34.1 kDa

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AA Sequence	MPREDRATWKSNYFLKIIQLLDDYPKCFIVGADNVGSKQMQQIRMSLRGKAVVLMG KNTMMRKAIRGHLE NNPAALEKLLPHIRGNVGFVFTKEDLTEIRDMLLANKVPAARA GAIAPCEVTVPAQNTGLGPEKTSFFQA LGITTKISRGTIEILSDVQLIKTGDKVGASEA TLLNMLNISPFSGFLVIQQVFDNGSIYNPEVLDITEET LHSRFLEGVRNVASVCLQIGY PTVASVPHSIINGYKRVLALSVETDYTFPLAEKVKAFLADPSAFVAAAP VAAATTAAPAAAAAPAKVEAKEESESEDEDMGFGLFDTRTRPLEQKLISEEDLAAND ILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Ribosome
Full Length	Full L.

GENE INFORMATION

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

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Gene ID	6175
mRNA Refseq	NM_053275.4
Protein Refseq	NP_444505.1
MIM	180510
UniProt ID	P05388



Coomassie blue staining of purified RPLP0 protein.

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