

Recombinant Human RPLP0 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RPLP0-666H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RPLP0 MS Standard C13 and N15-labeled recombinant protein (NP_444505) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	34.3 kDa
AA Sequence	MPREDRATWKSNYFLKIIQLDDYPKCFIVGADNVGSKQMQQIRMSLRGKAVVLMG

 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

KNTMMRKAIRGHLENNPALEKLLPHIRGNVGFVFTKEDLTEIRDMLLANKVPAAARA
 GAIAPCEVTVPAQNTGLGPEKTSFFQALGITTKISRGITIEILSDVQLIKTGDKVGASEA
 TLLNMLNISPFSGFLVIQQVFDNGSIYNPEVLDITEETLHSRFLEGVRNVASVCLQIGY
 PTVASVPHSIINGYKRVLALSVETDYTFPLAEKVKAFLADPSAFVAAAPVAAATTAAP
 AAAAAPAKVEAKEESESEDEDMGFGLFDTRTRPLEQKLISEEDLAANDILDYKDDDD
 KV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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; neutral ribosomal phosphoprotein P0; ribosomal protein, large, P0

Gene ID 6175

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mRNA Refseq NM_053275

Protein Refseq NP_444505

MIM 180510

UniProt ID P05388

SDS-PAGE



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