

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	<p>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.</p>
Molecular Mass	34.3 kDa
AA Sequence	MPREDRATWKSNYFLKIIQLDDYPKCFIVGADNVGSKQMQQIRMSLRGKAVVLMG

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KNTMMRKAIRGHLENNPALEKLLPHIRGNVGFVFTKEDLTEIRDMLLANKVPAAARA
 GAIAPCEVTVPAQNTGLGPEKTSFFQALGITTKISRGTIEILSDVQLIKTGDKVGASEA
 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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