

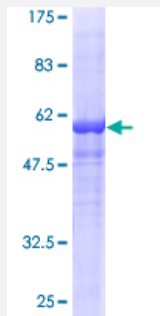
Full-Length

RPLP0 (Human) Recombinant Protein (P03)

Catalog # H00006175-P03

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human RPLP0 full-length ORF (AAH15173, 1 a.a. - 317 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MPREDRATWKSNYFLKIIQLDDYPKCFIVGADNVGSKQMQQIRMSLRGKAVVLMGKNTMMRKAI
RGHLENNPALEKLLPHIRGNVGFVFTKEDLTEIRDMLLANKVPAAARAGAIAPCEVTVPANQTGLG
PEKTSFFQALGITTKISRGTEILSDVQLIKTGDKVGASEATLLNMLNISPFSFGLVIQQVFDNGSYNP
EVLDTTEETLHSRFLGVRNVASVCLQIGYPTVASVPHSIINGYKRVLALSVETDYTEPLAEKVKAFL
ADPSAFVAAAPVAAAATTAAPAAAAAPAKVEAKEESESEDEDMGFGLFD

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

60.61

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — RPLP0

Entrez GeneID [6175](#)

GeneBank Accession# [BC015173](#)

Protein Accession# [AAH15173](#)

Gene Name RPLP0

Gene Alias L10E, MGC111226, MGC88175, P0, PRLP0, RPP0

Gene Description ribosomal protein, large, P0

Omim ID [180510](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 60 S 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. [provided by RefSeq]

Other Designations 60S acidic ribosomal protein P0|acidic ribosomal phosphoprotein P0|ribosomal protein P0

Pathway

- [Ribosome](#)