

## **Product datasheet for AR50230PU-S**

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## RPLP2 (1-115, His-tag) Human Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** RPLP2 (1-115, His-tag) human recombinant protein, 0.1 mg

Species: Human
Expression Host: E. coli

Expression cDNA Clone

or AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGSHMRYVAS YLLAALGGNS SPSAKDIKKI LDSVGIEADD DRLNKVISEL NGKNIEDVIA QGIGKLASVP AGGAVAVSAA PGSAAPAAGS APAAAEEKKD

**EKKEESEESD DDMGFGLFD** 

Tag: His-tag

Predicted MW: 14.2 kDa

Concentration: lot specific

Purity: >95% by SDS - PAGE

**Buffer:** Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 10% glycerol, 0.1M NaCl

**Preparation:** Liquid purified protein

**Protein Description:** Recombinant human RPLP2 protein, fused to His-tag at N-terminus, was expressed in E.coli

and purified by using conventional chromatography techniques.

Storage: Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

**Stability:** Shelf life: one year from despatch.

**RefSeq:** NP 000995

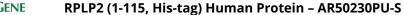
**Locus ID:** 6181

 UniProt ID:
 P05387, A0A024RCA7

Cytogenetics: 11p15.5

**Synonyms:** D11S2243E; LP2; P2; RPP2







Summary: Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and

through the genome. [provided by RefSeq, Jul 2008]

a large 60S subunit. Together these subunits are composed of 4 RNA species and approximately 80 structurally distinct proteins. This gene encodes a ribosomal phosphoprotein that is a component of the 60S subunit. The protein, which is a functional equivalent of the E. coli L7/L12 ribosomal protein, belongs to the L12P family of ribosomal proteins. It plays an important role in the elongation step of protein synthesis. Unlike most ribosomal proteins, which are basic, the encoded protein is acidic. Its C-terminal end is nearly identical to the C-terminal ends of the ribosomal phosphoproteins P0 and P1. The P2 protein can interact with P0 and P1 to form a pentameric complex consisting of P1 and P2 dimers, and a P0 monomer. The protein is located in the cytoplasm. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed

**Protein Families:** Druggable Genome

**Protein Pathways:** Ribosome