

Product datasheet for AR51601PU-S

RPL5 (1-297, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: RPL5 (1-297, His-tag) human recombinant protein, 50 µg

Species: Human **Expression Host:** E. coli

Expression cDNA Clone

or AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGSMGFVKVV KNKAYFKRYQ VKFRRRREGK TDYYARKRLV IQDKNKYNTP KYRMIVRVTN RDIICQIAYA RIEGDMIVCA AYAHELPKYG VKVGLTNYAA AYCTGLLLAR

RLLNRFGMDK IYEGQVEVTG DEYNVESIDG QPGAFTCYLD AGLARTTTGN KVFGALKGAV DGGLSIPHST KRFPGYDSES KEFNAEVHRK HIMGQNVADY MRYLMEEDED AYKKQFSQYI KNSVTPDMME EMYKKAHAAI RENPVYEKKP KKEVKKKRWN RPKMSLAQKK DRVAQKKASF

LRAQERAAES

Tag: His-tag Predicted MW: 36.8 kDa Concentration: lot specific

Purity: >85% by SDS - PAGE

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1 mM

DTT

Liquid purified protein Preparation:

Protein Description: Recombinant human RPL5 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 000960

Locus ID: 6125

UniProt ID: P46777, A2RUM7

Cytogenetics: 1p22.1



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Synonyms: L5; MSTP030; PPP1R135; uL18

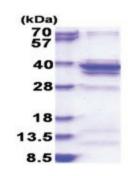
Summary: Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and

a large 60S subunit. Together these subunits are composed of four RNA species and approximately 80 structurally distinct proteins. This gene encodes a member of the L18P family of ribosomal proteins and component of the 60S subunit. The encoded protein binds 5S rRNA to form a stable complex called the 5S ribonucleoprotein particle (RNP), which is necessary for the transport of nonribosome-associated cytoplasmic 5S rRNA to the nucleolus for assembly into ribosomes. The encoded protein may also function to inhibit tumorigenesis through the activation of downstream tumor suppressors and the downregulation of oncoprotein expression. Mutations in this gene have been identified in patients with Diamond-Blackfan Anemia (DBA). This gene is co-transcribed with the small nucleolar RNA gene U21, which is located in its fifth intron. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed throughout the

genome. [provided by RefSeq, Mar 2017] Ribosome

Product images:

Protein Pathways:



15% SDS-PAGE (3ug)