

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 MGSMGFVKV KNKAYFKRYQ VKFRRRREGK TDYYARKRLV IQDKNKYNTN KYRMIVRVTN RDIICQIAYA RIEGDMIVCA AYAHELPKYG VKVGLTNYAA AYCTGLLLAR RLLNRFQMDK IYEGQVEVTG DEYNVESIDG QPGAFTCYLD AGLARTTTGN KVFQALKGAV DGGLSIPHST KRFPQYDSES KEFNAEVHRK HIMGQNVADY MRYLMEEDED AYKKQFSQYI KNSVTPDMME EMYKKAHAAI RENPVYEKKP KKEVKKRWN 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
Preparation:	Liquid purified protein
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]

Protein Pathways: Ribosome

Product images:

