

Product datasheet for **AR51706PU-N**

RPL7A (1-266, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	RPL7A (1-266, His-tag) human recombinant protein, 0.25 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMPKGKKA KGKKVAPAPA VKKQEAKKV VNPLFEKRPK NFGIGQDIQP KRDLTRFVKW PRYIRLQRQR AILYKRLKVP PAINQFTQAL DRQTATQLLK LAHKYRPETK QEKQROLLAR AEKKAAGKGD VPTKRPPVLR AGVNTVTTLV ENKKAQLVVI AHDVDPIELV VFLPALCRKM GVPYCIK GK ARLGRLVHRK TCTVAFTQV NSEDKGALAK LVEAIRTNYN DRYDEIRRHG GGNVLGPKSV ARIAKLEKAK AKELATKLG
Tag:	His-tag
Predicted MW:	32.4 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 10% glycerol.
Preparation:	Liquid purified protein
Protein Description:	Recombinant human RPL7A protein, fused to His-tag at N-terminus, was expressed in E.coli.
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_000963
Locus ID:	6130
UniProt ID:	P62424
Cytogenetics:	9q34.2
Synonyms:	L7A; SURF3; TRUP



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Summary:

Cytoplasmic ribosomes, 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 belongs to the L7AE family of ribosomal proteins. It can interact with a subclass of nuclear hormone receptors, including thyroid hormone receptor, and inhibit their ability to transactivate by preventing their binding to their DNA response elements. This gene is included in the surfeit gene cluster, a group of very tightly linked genes that do not share sequence similarity. It is co-transcribed with the U24, U36a, U36b, and U36c small nucleolar RNA genes, which are located in its second, fifth, fourth, and sixth introns, respectively. This gene rearranges with the *trk* proto-oncogene to form the chimeric oncogene *trk-2h*, which encodes an oncoprotein consisting of the N terminus of ribosomal protein L7a fused to the receptor tyrosine kinase domain of *trk*. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. [provided by RefSeq, Jul 2008]

Protein Families:

Druggable Genome

Protein Pathways:

Ribosome

Product images: