

## Product datasheet for **AR51017PU-S**

### **RPS19 (1-145, His-tag) Human Protein**

#### **Product data:**

Product Type:	Recombinant Proteins
Description:	RPS19 (1-145, His-tag) human protein, 20 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMPGVTVK DVNQQEFVRA LAAFLKKSGK LKVPEWVDTV KLAKHKELAP YDENWFYTRA ASTARHLYLR GGAGVGSMTK IYGGQRNGV MPSHFSGSGK SVARRVLQAL EGLKMVEKDQ DGGRKLTPQG QRDLDRAGQ VAAANKKH
Tag:	His-tag
Predicted MW:	18.4 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 0.2M NaCl, 40% glycerol, 2 mM DTT
Preparation:	Liquid purified protein
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:	<a href="#">NP_001013</a>
Locus ID:	6223
UniProt ID:	<a href="#">P39019</a> , <a href="#">B0ZBD0</a>
Cytogenetics:	19q13.2
Synonyms:	DBA; DBA1; eS19; LOH19CR1; S19



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**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 40S subunit. The protein belongs to the S19E family of ribosomal proteins. It is located in the cytoplasm. Mutations in this gene cause Diamond-Blackfan anemia (DBA), a constitutional erythroblastopenia characterized by absent or decreased erythroid precursors, in a subset of patients. This suggests a possible extra-ribosomal function for this gene in erythropoietic differentiation and proliferation, in addition to its ribosomal function. Higher expression levels of this gene in some primary colon carcinomas compared to matched normal colon tissues has been observed. 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:**
