

Product datasheet for AR51017PU-N

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

Product data:

Product Type: Recombinant Proteins

Description: RPS19 (1-145, His-tag) human protein, 0.1 mg

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

Expression cDNA Clone

MGSSHHHHHH SSGLVPRGSH MGSMPGVTVK DVNQQEFVRA LAAFLKKSGK LKVPEWVDTV or AA Sequence: KLAKHKELAP YDENWFYTRA ASTARHLYLR GGAGVGSMTK IYGGRQRNGV MPSHFSRGSK

SVARRVLQAL EGLKMVEKDQ DGGRKLTPQG QRDLDRIAGQ 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

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

repeated freezing and thawing.

Shelf life: one year from despatch. Stability:

RefSeq: NP 001013

Locus ID: 6223

UniProt ID: P39019, B0ZBD0

Cytogenetics: 19q13.2

DBA; DBA1; eS19; LOH19CR1; S19 Synonyms:





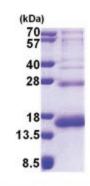
Summary:

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:



15% SDS-PAGE (3ug)