

## Product datasheet for **AR50855PU-N**

### RPS10 (1-165, His-tag) Human Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	RPS10 (1-165, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMLMPKKN RIAIYELLFK EGVMVAKKDV HMPKHPELAD KNVPNLHVMK AMQSLKSRGY VKEQFAWRHF YWYLTNEGIQ YLRDYLHLPP EIVPATLRRS RPETGRPRPK GLEGERPARL TRGEADRDTY RRSVPPGAD KKAEGAGSA TEFQFRGGFG RGRGQPPQ
Tag:	His-tag
Predicted MW:	21 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, 30% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant human RPS10 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:	<a href="#">NP_001005</a>
Locus ID:	6204
UniProt ID:	<a href="#">P46783</a>
Cytogenetics:	6p21.31
Synonyms:	DBA9; S10



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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 S10E family of ribosomal proteins. It is located in the cytoplasm. Variable expression of this gene in colorectal cancers compared to adjacent normal tissues has been observed, although no correlation between the level of expression and the severity of the disease has been found. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. Alternate splicing results in multiple transcript variants that encode the same protein. Naturally occurring read-through transcription occurs between this locus and the neighboring locus NUDT3 (nudix (nucleoside diphosphate linked moiety X)-type motif 3).[provided by RefSeq, Feb 2011]

**Protein Pathways:**

Ribosome

**Product images:**