

## Product datasheet for **AR50402PU-N**

### **RPS3A (1-264, His-tag) Human Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	RPS3A (1-264, His-tag) human protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHEMAVGKN KRLTKGGKKG AKKKVVDPFSS KDWYDVKAP AMFNIRNIGK TLVTRTQGTK IASDGLKGRV FEVSLADLQN DEVAFRKFKL ITEDVQGKNC LTNFHGMDLT RDKMCSMVKK WQTMIEAHVD VKTTDGYLLR LFCVGFTKKR NNQIRKTSYA QHQVVRQIRK KMMEIMTREV QTNDLKEVVN KLIPDSIGKD IEKACQSIYP LHDVFRKVK MLKKPKFELG KLMELHGECS SSGKATGDET GAKVERADGY EPPVQESV
Tag:	His-tag
Predicted MW:	32.5 kDa
Concentration:	lot specific
Purity:	>90% 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, 50% 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_000997</a>
Locus ID:	6189
UniProt ID:	<a href="#">P61247</a>
Cytogenetics:	4q31.3
Synonyms:	FTE1; MFTL; S3A



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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 S3AE family of ribosomal proteins. It is located in the cytoplasm. Disruption of the gene encoding rat ribosomal protein S3a, also named v-fos transformation effector protein, in v-fos-transformed rat cells results in reversion of the transformed phenotype. This gene is co-transcribed with the U73A and U73B small nucleolar RNA genes, which are located in its fourth and third introns, respectively. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, May 2012]

**Protein Pathways:**

Ribosome

**Product images:**