

Product datasheet for **AR09865PU-N**

RPS14 (1-151, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	RPS14 (1-151, His-tag) human recombinant protein, 50 µg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MGSSHHHHHH SSGLVPRGSH</u> <u>MGS</u> <u>MAPRKGK</u> <u>EKKEEQVISL</u> <u>GPQVAEGENV</u> <u>FGVCHIFASF</u> <u>NDTFVHVTDL</u> <u>SGKETICRVT</u> <u>GGMKVKADRD</u> <u>ESSPYAAML</u> <u>A</u> <u>AQDVAQRCKE</u> <u>LGITALHIKL</u> <u>RATGGNRTKT</u> <u>PGPGAQALR</u> <u>ALARSGMKIG</u> <u>RIEDVTPIPS</u> <u>DSTRRKGGR</u> <u>R</u> <u>RR</u>
Tag:	His-tag
Predicted MW:	18.7 kDa
Concentration:	lot specific
Purity:	>90%
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 40% glycerol, 100 mM NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant human RPS14 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 up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001020241</u>
Locus ID:	6208
UniProt ID:	<u>P62263</u>
Cytogenetics:	5q33.1
Synonyms:	EMTB; S14



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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 S11P family of ribosomal proteins. It is located in the cytoplasm. Transcript variants utilizing alternative transcription initiation sites have been described in the literature. As is typical for genes encoding ribosomal proteins, there are multiple processed pseudogenes of this gene dispersed through the genome. In Chinese hamster ovary cells, mutations in this gene can lead to resistance to emetine, a protein synthesis inhibitor. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]

Product images: