

# Product datasheet for AR51040PU-S

## MRPS25 (1-173, His-tag) Human Protein

## **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Recombinant Proteins
Description:	MRPS25 (1-173, His-tag) human recombinant protein, 0.1 mg
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Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMPMKGRF PIRRTLQYLS QGNVVFKDSV KVMTVNYNTH GELGEGARKF VFFNIPQIQY KNPWVQIMMF KNMTPSPFLR FYLDSGEQVL VDVETKSNKE IMEHIRKILG KNEETLREEE EEKKQLSHPA NFGPRKYCLR ECICEVEGQV PCPSLVPLPK EMRGKYKAAL KADAQD
Tag:	His-tag
Predicted MW:	22.5 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, 10% glycerol, 0.4M Urea
Preparation:	Liquid purified protein
Protein Description:	Recombinant human MRPS25 protein, fused to His-tag at N-terminus, was expressed in E.coli
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:	<u>NP 071942</u>
Locus ID:	64432
UniProt ID:	<u>P82663</u>
Cytogenetics:	3p25.1
Synonyms:	COXPD50; MRP-S25; RPMS25

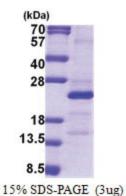


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#### **GRIGENE** MRPS25 (1-173, His-tag) Human Protein – AR51040PU-S

Summary:Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in<br/>protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes)<br/>consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein<br/>to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed.<br/>Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that<br/>the latter contain a 5S rRNA. Among different species, the proteins comprising the<br/>mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which<br/>prevents easy recognition by sequence homology. This gene encodes a 28S subunit protein. A<br/>pseudogene corresponding to this gene is found on chromosome 4. Alternative splicing<br/>results in multiple transcript variants. [provided by RefSeq, Feb 2016]

### **Product images:**



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