

## Product datasheet for AR50842PU-N

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OriGene Technologies, Inc.

## MRPL13 (1-178, His-tag) Human Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** MRPL13 (1-178, His-tag) human recombinant protein, 0.5 mg

Species: Human
Expression Host: E. coli

**Expression cDNA Clone** MGSSHHHHHH SSGLVPRGSH MGSMSSFSRA PQQWATFARI WYLLDGKMQP PGKLAAMASI

or AA Sequence: RLQGLHKPVY HALSDCGDHV VIMNTRHIAF SGNKWEQKVY SSHTGYPGGF RQVTAAQLHL

RDPVAIVKLA IYGMLPKNLH RRTMMERLHL FPDEYIPEDI LKNLVEELPQ PRKIPKRLDE YTQEEIDAFP

RLWTPPEDYR L

Tag: His-tag
Predicted MW: 23.1 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 0.4M urea, 10% glycerol

**Preparation:** Liquid purified protein

**Protein Description:** Recombinant human MRPL13 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:** NP 054797

 Locus ID:
 28998

 UniProt ID:
 Q9BYD1

 Cytogenetics:
 8q24.12

Synonyms: L13; L13A; L13mt; RPL13; RPML13





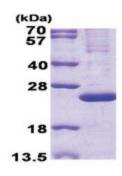
**Summary:** 

Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. Mitochondrial ribosomes (mitoribosomes) consist of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 39S subunit protein. [provided by RefSeq, Jul 2008]

**Protein Pathways:** 

Ribosome

## **Product images:**



15% SDS-PAGE (3ug)