

Product datasheet for AR50842PU-S

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

Product data:

Product Type: Recombinant Proteins

Description: MRPL13 (1-178, His-tag) human recombinant protein, 0.1 mg

Species: Human E. coli **Expression Host:**

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

>85% by SDS - PAGE **Purity:**

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.

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid Storage:

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





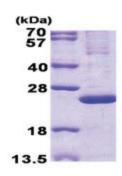
Summary:

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)