

Product datasheet for AR51724PU-N

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

OriGene Technologies, Inc.

MRPL2 (84-202, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: MRPL2 (84-202, His-tag) human recombinant protein, 0.5 mg

Species: Human
Expression Host: E. coli

Expression cDNA Clone

or AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGSGRDHTGR IRVHGIGGGH KQRYRMIDFL RFRPEETKSG PFEEKVIQVR YDPCRSADIA LVAGGSRKRW IIATENMQAG DTILNSNHIG RMAVAAREGD

AHPLGALPVG TLINNVESEP GR

Tag:His-tagPredicted MW:15.5 kDaConcentration:lot specific

Purity: >90% by SDS - PAGE

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Phosphate buffer (pH 8.0) containing 1 mM EDTA, 50% glycerol, 2 mM

DTT

Preparation: Liquid purified protein

Protein Description: Recombinant human MRPL2 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 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 001287777

 Locus ID:
 51069

 UniProt ID:
 Q5T653

 Cytogenetics:
 6p21.1

Synonyms: L2mt, CGI-22

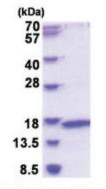




Summary:

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 that belongs to the EcoL2 ribosomal protein family. A pseudogene corresponding to this gene is found on chromosome 12q. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2014]

Product images:



15% SDS-PAGE (3ug)