

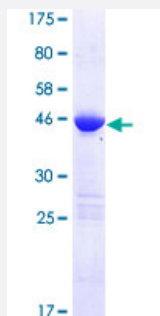
Full-Length

MRPL37 (Human) Recombinant Protein (P01)

Catalog # H00051253-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human MRPL37 full-length ORF (NP_057575.2, 1 a.a. - 423 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MALASGPARRALAGSGQLGLGGFGAPRRGAYEWGVRSTRKSEPPPLDRVYEIPGLEPITFAGKM
HFVPWLARPIFPWDRGYKDPRFYRSPPLHEHPLYKDAQACYIFHHRCRLLEGVKQALWLTCKLIE
GLPEKVLSLVDDPRNHENQDECVLNVISHARLWQTTEEIPKRETYCPVVDNLQLCKSQILKHPSL
ARRICVQNSTFSATWNRESLLLQVRGSGGARLSTKDPLPTIASREEIEATKNHVLETFYPISPIIDLH
ECNMDVKNDTGFGQEGYPYPHTLYLLDKANLRPHRLQPDQLRAKMILFAFGSALAQARLLYGND
AKVLEQPVVVQSVGTDGRVFHFLVFQLNTTDLDCNEGVKNLAWVDSQQLLYQHFQWCLPVIKKRV
VVEPVGPGVGFKEPFRKFLALYLHGAA

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

74.5

Interspecies Antigen Sequence

Mouse (80); Rat (79)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MRPL37

Entrez GeneID [51253](#)

GeneBank Accession# [NM_016491.2](#)

Protein Accession# [NP_057575.2](#)

Gene Name MRPL37

Gene Alias L37mt, MGC878, MRP-L2, MRP-L37, MRPL2, RPML2

Gene Description mitochondrial ribosomal protein L37

Gene Ontology [Hyperlink](#)

Gene 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 28 S 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]

Other Designations 39S ribosomal protein L37, mitochondrial|OTTHUMP00000009810|ribosomal protein, mitochondrial, L2