

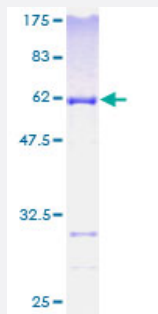
Full-Length

MRPL1 (Human) Recombinant Protein (P01)

Catalog # H00065008-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human MRPL1 full-length ORF (AAH15109, 1 a.a. - 303 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MVYQTSLCSCSVNIRVPNRHFAAAKKS AKKTKKGAK E KTPDEKKDEIEKIKAYPYMEGEPEDDVY
LKRLYPRQIYEVEKAVHLLKKFQILDFTSPKQSVYLDLTDMALGKKKNVEPFTSVLSLPYPFASEI
NKVAVFTENASEVKIAEENGAASAGGTSLIQKWDDENADFYAVPEIMPELNRLRKKLNKKYPKL
SRNSIGRDIPKMLELFKNGHEIKVDEERENFLQTKIATLDMSSDQIAANLQAVINEVCRHRPLNLGP
FVVRAFLRSSTSEGLLLKIDPLLPKEVKNEESEKEDA

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

59.07

Interspecies Antigen Sequence

Mouse (78); Rat (78)

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 — MRPL1

Entrez GeneID[65008](#)**GeneBank Accession#**[BC015109](#)**Protein Accession#**[AAH15109](#)**Gene Name**

MRPL1

Gene Alias

BM022, FLJ96680, L1MT, MRP-L1

Gene Description

mitochondrial ribosomal protein L1

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 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 L1 ribosomal protein family. [provided by RefSeq]

Other Designations

39S ribosomal protein L1, mitochondrial|OTTHUMP00000160703

Disease

- [Tobacco Use Disorder](#)