

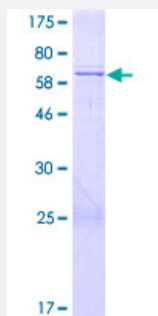
## Full-Length

## MRPL38 (Human) Recombinant Protein (P01)

Catalog # H00064978-P01

Size 25 ug, 10 ug

## Applications



## Specification

## Product Description

Human MRPL38 full-length ORF ( NP\_115867.1, 1 a.a. - 346 a.a.) recombinant protein with GST-tag at N-terminal.

## Sequence

MPNSDIDLSNLERLEKYRSFDRYRRRAEQEAQAPHWWRTYREYFGEKTDPKKEIDIGLPPPKVSR  
TQQLLERKQAIQELRANVEEERAARLRTASVPLDAVRAEWERTCGPYHKQRLAEYYGLYRDLFHG  
ATFVPRVPLHVAYAVGEDDLMPVYCGNEVTPTEAAQAPEVTYEAEEGSLWTLTSLDGHLLEP  
DAEYLHWLLTNIPGNRVAEGQVTCPYLPPFPARGSGIHLAFLLFKQDQPIDFSEDARPSPCYQLA  
QRTFRTDFYKKHQETMTAGLSFFQCRWDDSVTYIFHQLLDMREPVFEFVRPPPYHPKQKRFP  
HRQPLRYLDYRDSHEPTYGIY

## Host

Wheat Germ (in vitro)

## Theoretical MW (kDa)

67.2

## Interspecies Antigen Sequence

Mouse (87); Rat (86)

## 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 — MRPL38

**Entrez GeneID**[64978](#)**GeneBank Accession#**[NM\\_032478.2](#)**Protein Accession#**[NP\\_115867.1](#)**Gene Name**

MRPL38

**Gene Alias**

HSPC262, MGC4810, MRP-L3, RPML3

**Gene Description**

mitochondrial ribosomal protein L38

**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. [provided by RefSeq]

**Other Designations**

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