

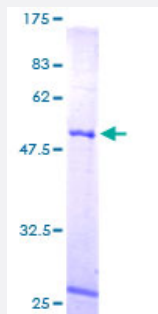
Full-Length

MRPL10 (Human) Recombinant Protein (P01)

Catalog # H00124995-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human MRPL10 full-length ORF (AAH15904, 1 a.a. - 261 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAAAVAGMLRGGLLPQAGRLPTLQTVRYGSKAVTRHRRVMHFQRQKLMAVTEYIPPKPAIHPSCLPSPSPSPQEEIGLIRLLRREIAAVFQDNRMIAVCQNALSAEDKLLMRHQLRKHKILMKIFPNQVLKPFLEDSKYQNLLPLFVGHNMLLVSEEPKVKEMVRILRTVPFLPLLGGCIDDITLSRQGFINYSKLPSLPLVQGELVGGLTCLTAQTHSPLQHQPQLLTLLDQYIREQREKDSVMSANGKPDPTVPDS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

54.45

Interspecies Antigen Sequence

Mouse (77); Rat (81)

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 — MRPL10

Entrez GeneID [124995](#)

GeneBank Accession# [BC015904](#)

Protein Accession# [AAH15904](#)

Gene Name MRPL10

Gene Alias L10MT, MGC17973, MRP-L10, MRP-L8, MRPL8, RPML8

Gene Description mitochondrial ribosomal protein L10

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. A pseudogene corresponding to this gene is found on chromosome 5q. [provided by RefSeq]

Other Designations 39S ribosomal protein L10, mitochondrial

Disease

- [Atherosclerosis](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Coronary Artery Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Tobacco Use Disorder](#)