

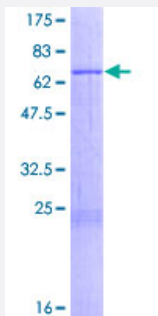
Full-Length

MRPS9 (Human) Recombinant Protein (P01)

Catalog # H00064965-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human MRPS9 full-length ORF (NP_872578.1, 1 a.a. - 396 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAAPCVSYGGAVSYRLLWGRGSLARKQGLWKTAAPELQTNVRSQILRLRHTAFVIPKKNVPTSK
RETYTEDFIKKQIEEFNIGKRHLANMMGEDPETFTQEDIDRAIAYLFPSGLFEKRARPVMKHPEQIFP
RQRAIQWGEDGRPFHYLFYTGKQSYSLMHDVYGMLLNLEKHQSHLQAKSLLPEKTVTRDVIGSR
WLIKEELEEMLVEKLSLDYMQFIRLLEKLLTSQCGAAEEEFVQRFRRSVTLESKKQLIEPVQYDE
QGMAFSKSEGKRKTAKAEAMYKHGSGRIKVNIDYQLYFPITQDREQLMFPFHFVDRLGKHDVTC
TVSGGGRSAQAGAIRLAMAKALCSFVTEDEVEMRQAGLLTTPRVRRERKKPGQEGARRKFTW
KKR

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

72.2

Interspecies Antigen Sequence

Mouse (77); 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 — MRPS9

Entrez GeneID [64965](#)

GeneBank Accession# [NM_182640.1](#)

Protein Accession# [NP_872578.1](#)

Gene Name MRPS9

Gene Alias MRP-S9, RPMS9, S9mt

Gene Description mitochondrial ribosomal protein S9

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 28S subunit protein. [provided by RefSeq]

Other Designations 28S ribosomal protein S9, mitochondrial