

Full-Length

MRPS15 (Human) Recombinant Protein (P01)

Catalog # H00064960-P01

Size 50 ug

Specification

Product Description	Human MRPS15 full-length ORF (BAG37829.1, 1 a.a. - 257 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MLRVAWRTLSLIRTRAVTQVLVPGLPGGGSAKFPFNQWGLQPRLLLLQAARGYVVRKPAQSRLD DDPPPSTLLKDYQNVPGIEKVDDVVKRLLSLEMANKKEMLIKQEQFMKKVANPEDTRSLEARIA LSVKIRSYYEHLKHKDKAHKRYLLMSIDQRKKMLKNLRNTNYDVFEKICWGLGIEYTFPPLYRR AHRRFVTKKALCIRVFQETQQLKKRRRALKAAAAAQKQAKRRNPDSPAKAIPKTLKDSQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	54.67
Interspecies Antigen Sequence	Mouse (64); Rat (63)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
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 — MRPS15

Entrez GeneID [64960](#)

GeneBank Accession# [AK315441.1](#)

Protein Accession# [BAG37829.1](#)

Gene Name MRPS15

Gene Alias DC37, FLJ11564, MPR-S15, RPMS15, S15mt

Gene Description mitochondrial ribosomal protein S15

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 28S subunit protein that belongs to the ribosomal protein S15P family. The encoded protein is more than two times the size of its E. coli counterpart, with the 12S rRNA binding sites conserved. Between human and mouse, the encoded protein is the least conserved among small subunit ribosomal proteins. Pseudogenes corresponding to this gene are found on chromosomes 15q and 19q. [provided by RefSeq]

Other Designations 28S ribosomal protein S15, mitochondrial|OTTHUMP00000009727