

Recombinant Full Length Human MRPS6 Protein, GST-tagged

Cat. No. MRPS6-6509HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPS6 full-length ORF (AAH10076, 1 a.a. - 125 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	125 amino acids
Description	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 S6P family. Pseudogenes corresponding to this gene are found on chromosomes 1p and 12q. [provided by RefSeq]
Molecular Mass	39.49 kDa
AA Sequence	MPRYELALILKAMQRPETAATLKRTIEALMDRGAIVRDLENLGERALPYRISAHSQQH NRGGYFLVDFYAPTA AVESMVEHL SRDIDVIRGNIVKHPLTQELKECEGIVPVPLAEK

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Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[MRPS6 mitochondrial ribosomal protein S6 \[Homo sapiens \]](#)

Official Symbol

[MRPS6](#)

Synonyms

MRPS6; mitochondrial ribosomal protein S6; C21orf101, chromosome 21 open reading frame 101; 28S ribosomal protein S6, mitochondrial; MRP S6; RPMS6; S6mt; MRP-S6; C21orf101;

Gene ID

[64968](#)

mRNA Refseq

[NM_032476](#)

Protein Refseq

[NP_115865](#)

MIM

[611973](#)

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UniProt ID

P82932

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