

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 NRGGYFLVDFYAPTAAVESMVEHLSDIDVIRGNIVKHPLTQELKECEGIVPVPLAEK

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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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