

## Recombinant Human MRPS6 Protein, GST-tagged

Cat. No. MRPS6-5625H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human MRPS6 full-length ORF ( AAH10076, 1 a.a. - 125 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	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]
<b>Molecular Mass</b>	39.49 kDa
<b>AA Sequence</b>	MPRYELALILKAMQRPETAATLKRTIEALMDRGAIVRDLENLGERALPYRISAHSQQH NRGGYFLVDFYAPTAAVESMVEHLSDIDVIRGNIVKHPLTQELKECEGIVPVPLAEK LYSTKKRKK

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<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	MRPS6 mitochondrial ribosomal protein S6 [ Homo sapiens ]
<b>Official Symbol</b>	MRPS6
<b>Synonyms</b>	MRPS6; mitochondrial ribosomal protein S6; C21orf101, chromosome 21 open reading frame 101; 28S ribosomal protein S6, mitochondrial; MRP S6; RPMS6; S6mt; MRP-S6; C21orf101;
<b>Gene ID</b>	64968
<b>mRNA Refseq</b>	NM_032476
<b>Protein Refseq</b>	NP_115865
<b>MIM</b>	611973
<b>UniProt ID</b>	P82932

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**Quality Control**

**Testing:**



12.5% SDS-PAGE Stained with Coomassie Blue.

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