

Recombinant Human MRPS6 Protein, GST-tagged

Cat. No. MRPS6-5625H **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	Wheat Germ
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 LYSTKKRKK

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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
UniProt ID	P82932

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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