

## Recombinant Human MRPS10 Protein, GST-tagged

Cat. No. MRPS10-5599H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human MRPS10 full-length ORF ( NP_060611.2, 1 a.a. - 201 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 S10P family. Pseudogenes corresponding to this gene are found on chromosomes 1q, 3p, and 9p. [provided by RefSeq]
<b>Molecular Mass</b>	49.4 kDa
<b>AA Sequence</b>	MAARTAFGAVCRRLWQGLGNFSVNTSKGNTAKNGGLLLSTNMKWWQFSNLHVDV PKDLTKPVVTISDEPDILYKRLSVLVKGHDKAVLDSYEYFAVLAAKELGISIKVHEPPR KIERFTLLQSVHIYKKHRVQYEMRTLRYRCLELEHLTGSTADVYLEYIQRNLPEGVAME

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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**

MRPS10 mitochondrial ribosomal protein S10 [ Homo sapiens ]

**Official Symbol**

MRPS10

**Synonyms**

MRPS10; mitochondrial ribosomal protein S10;

**Gene ID**

64964

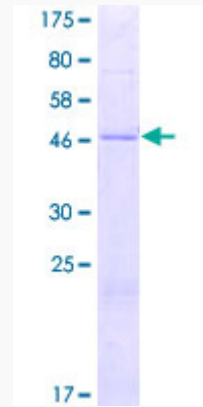
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**Quality Control**

**Testing:**



12.5% SDS-PAGE Stained with Coomassie Blue.

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