

Recombinant Human MRPS10 Protein, GST-tagged

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

SPECIFICATION

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

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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;

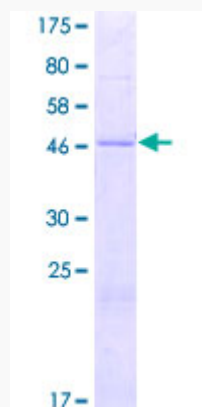
Gene ID

64964

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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