

Recombinant Human MRPS21 Protein, GST-tagged

Cat. No. MRPS21-5609H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPS21 full-length ORF (AAH04566, 1 a.a. - 87 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 S21P family. Pseudogenes corresponding to this gene are found on chromosomes 1p, 1q, 9p, 10p, 10q, 16q, and 17q. Available sequence data analyses identified splice variants that differ in the 5' UTR; both transcripts encode the same protein. [provided by RefSeq]
Molecular Mass	35.31 kDa
AA Sequence	MAKHLKFIARTVMVQEGNVESAYRTLNRILTMGLIEDIKHRRYYEKPCRRRQRESY

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ERCRRRIYNMEMARKINFLMRKNRADPWQGC

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

[MRPS21 mitochondrial ribosomal protein S21 \[Homo sapiens \]](#)

Official Symbol

[MRPS21](#)

Synonyms

MRPS21; mitochondrial ribosomal protein S21; 28S ribosomal protein S21, mitochondrial; S21mt; mitochondrial 28S ribosomal protein S21; MDS016; RPMS21; MRP-S21;

Gene ID

[54460](#)

mRNA Refseq

[NM_018997](#)

Protein Refseq

[NP_061870](#)

MIM

[611984](#)

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UniProt ID P82921

Quality Control
Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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