

Recombinant Full Length Human MRPS11 Protein, GST-tagged

Cat. No. MRPS11-6455HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPS11 full-length ORF (NP_073750.2, 1 a.a. - 194 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	194 amino acids
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 contains a high level of sequence similarity with ribosomal protein S11P family members. A pseudogene corresponding to this gene is found on chromosome 20. Sequence analysis identified two transcript variants that encode different protein isoforms. [provided by RefSeq]
Molecular Mass	47 kDa
AA Sequence	MQAVRNAGSRFLRSWTWPQTAGRNVARTPAGTICTGARQLQDAAAKQKVEQNAA

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PSHTKFSIYPPIPGEESSLRWAGKKFEEIPIAHIKASHNNTQIQVVSASNEPLAFASCG
TEGFRNAKKGTGIAAQTAGIAAAARAKQKGVIIHVRVVVKGLGPGRLSAMHGLIMGGL
EVISITDNTPIPHNGCRPRKARKL

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

MRPS11 mitochondrial ribosomal protein S11 [Homo sapiens]

Official Symbol

MRPS11

Synonyms

MRPS11; mitochondrial ribosomal protein S11; 28S ribosomal protein S11, mitochondrial; cervical cancer proto oncogene 2; FLJ22512; FLJ23406; HCC 2; S11mt; MRP-S11; cervical cancer proto-oncogene 2 protein; HCC-2;

Gene ID

64963

mRNA Refseq

NM_022839

Protein Refseq

NP_073750

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MIM	611977
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UniProt ID	P82912
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