

Recombinant Human MRPS11 Protein, GST-tagged

Cat. No. MRPS11-5600H **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	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 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	MQAVRNAGSRFLRSWTPQTAGRVVARTPAGTICTGARQLQDAAAKQKVEQNAA PSHTKFSIYPPIPGEESSLRWAGKKFEEIPIAHIKASHNNTQIQVVSASNEPLAFASCG

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TEGFRNAKKGTGIAAQTAGIAAAARAKQKGVHIRVVVKGLGPGRLSAMHGLIMGGL
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

MIM

611977

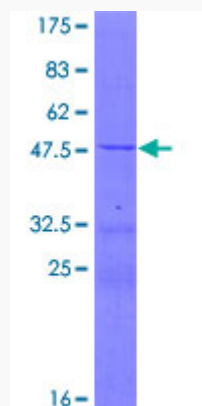
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UniProt ID

P82912

Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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