

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	MQAVRNAGSRFLRSWTWPQTAGRVVARTPAGTICTGARQLQDAAAKQKVEQNAA PSHTKFSIYPPIPGEESSLRWAGKKFEEIPIAHIKASHNNTQIQVVSASNEPLAFASCG

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

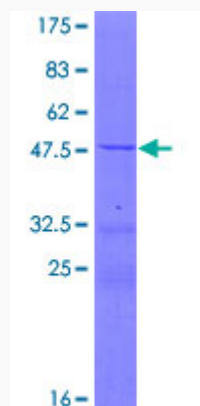
 45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID

P82912

Quality Control

Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA