

Recombinant Full Length Human MRPL11 Protein, GST-tagged

Cat. No. MRPL11-6378HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPL11 full-length ORF (NP_057134.1, 1 a.a. - 192 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	192 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 39S subunit protein. Sequence analysis identified three transcript variants that encode different isoforms. Pseudogenes corresponding to this gene are found on chromosomes 5q and 12q. [provided by RefSeq
Molecular Mass	47.1 kDa
AA Sequence	MSKLGRAARGLRKPEVGGVIRAIVRAGLAMPGPPLGPVLGQRGVSINQFCKEFNER TKDIKEGIPLPTKILVKPDRTFEIKIGQPTVSYFLKAAAGIEKGARQTGKEVAGLVTLKH

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	VYEIARIKAQDEAFALQDVPLSSVVRISIIGSARSLGIRVVKDLSSEELAAFQKERAIFLA AQKEADLAAQEEAAKK
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	MRPL11 mitochondrial ribosomal protein L11 [Homo sapiens]
Official Symbol	MRPL11
Synonyms	MRPL11; mitochondrial ribosomal protein L11; 39S ribosomal protein L11, mitochondrial; L11MT; CGI-113; MRP-L11; MGC111024;
Gene ID	65003
mRNA Refseq	NM_016050
Protein Refseq	NP_057134
MIM	611826

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UniProt ID

Q9Y3B7

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