

Recombinant Human MRPL11 Protein, GST-tagged

Cat. No. MRPL11-5555H **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	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 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	MSKLGRAARGLRKPEVGGVIRAIVRAGLAMPGPPLGPVLGQRGVSIQFCKEFNER TKDIKEGIPLPTKILVKPDRTFEIKIGQPTVSYFLKAAAGIEKGARQTGKEVAGLVTLKH VYEIARIKAQDEAFALQDVPLSSVRSIIGSARSLGIRVVKDLSSEELAAFQKERAIFLA

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

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

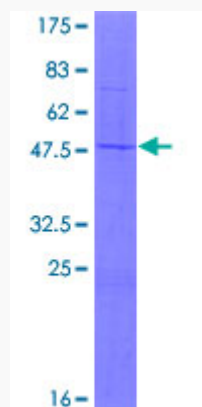
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	AQKEADLAAQEEAAKK
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot 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
UniProt ID	Q9Y3B7

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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