

Recombinant Full Length Human MRPL17 Protein, GST-tagged

Cat. No. MRPL17-6390HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPL17 full-length ORF (NP_071344.1, 1 a.a. - 175 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	175 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. [provided by RefSeq
Molecular Mass	46.5 kDa
AA Sequence	MRLSVAAAISHGRVFRRMGLGPESRIHLLRNLLTGLVRHERIEAPWARVDEMRGYA EKLIDYGKLGDTNERAMRMADFWLTEKDLIPKLFQVLAPRYKDQTGGYTRMLQIPNR SLDRAKMAVIEYKGNCLPPLPLPRRDSHLTLLNQLLQGLRQDLRQSQEASNHSSHT AQTPGI

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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	MRPL17 mitochondrial ribosomal protein L17 [Homo sapiens (human)]
Official Symbol	MRPL17
Synonyms	MRPL17; mitochondrial ribosomal protein L17; LIP2; L17mt; RPL17L; RPML26; MRP-L17; MRP-L26; 39S ribosomal protein L17, mitochondrial; LYST-interacting protein 2; LYST-interacting protein LIP2; mitochondrial large ribosomal subunit protein bL17m
Gene ID	63875
mRNA Refseq	NM_022061
Protein Refseq	NP_071344
MIM	611830
UniProt ID	Q9NRX2

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