

Recombinant Full Length Human MRPL16 Protein, GST-tagged

Cat. No. MRPL16-6387HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPL16 full-length ORF (NP_060310.1, 1 a.a. - 251 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	251 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	54.8 kDa
AA Sequence	MWRLARASAPLLRVPLSDSWALLPASAGVKTLVPVPSFEDVSIPEKPKLRFIERAPL VPKVRREPKNLSDIRGPSTEATEFTEGNFAILALGGGYLHWGHFEMMRLTINRSM DP KNMFAIWRVPAPFKPITRKSVGHRMGGGKG AIDHYVTPVKAGRLVVEMGGRC EFEE VQGFLDQVAHKLPFAAKAVSRGTLEKMRKDQEERERN NQNPWTFERIATANMLGIR

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	KVLSPYDLTHKGKYWGKFYMPKRV
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	MRPL16 mitochondrial ribosomal protein L16 [Homo sapiens]
Official Symbol	MRPL16
Synonyms	L16mt; MRP-L16; PNAS-111; MRPL16; mitochondrial ribosomal protein L16
Gene ID	54948
mRNA Refseq	NM_017840
Protein Refseq	NP_060310
MIM	611829
UniProt ID	Q9NX20

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