

Recombinant Human MRPL16 Protein, GST-tagged

Cat. No. MRPL16-5560H **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	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. [provided by RefSeq
Molecular Mass	54.8 kDa
AA Sequence	MWRLARASAPLLRVPLSDSWALLPASAGVKTLTPVPSFEDVSIPEKPKLRFIERAPL VPKVRREPKNLSDIRGPSTEATEFTEGNFAILALGGGYLHWGHFEMMRLTINRSM DP KNMFAIWRVPAPFKPITRKSVGHRMGGGKG AIDHYVTPVKAGRLVVEMGGRCEFEE VQGFLDQVAHKLPFAAKAVSRGTLEKMRKDQEERERN NQNPWTFERIATANMLGIR KVLSPYDLTHKGKYWGKFYMPKRV

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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	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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