

Recombinant Full Length Human MRPL19 Protein, GST-tagged

Cat. No. MRPL19-6392HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPL19 full-length ORF (AAH30144, 1 a.a. - 292 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	292 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	57.86 kDa
AA Sequence	MAACIAAGHWAAMGLGRSFQAARTLLPPPASIACRVHAGPVRQQSTGPSEPGAQFQ PPPKPVIVDKHRPVEPERRFLSPEFIPRRGRDPLKFKQIERKDMLERRKVLHIPEFYV GSILRVTTADPYASGKISQFLGICIQRSGRGLGATFILRNVIIEGQGVEICFELYNPRVQ EIQVVKLEKRLDDSLLYLRDALPEYSTFDVNMKPVVQEPNQKVPVNELRVKMKPKP

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	WSKRWERPNFNIGIRFDLCLTEQQMKEAQKWNQPWLEFDMREYDTSKIEAAIW KEIEASKRS
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	MRPL19 mitochondrial ribosomal protein L19 [Homo sapiens]
Official Symbol	MRPL19
Synonyms	MRPL19; mitochondrial ribosomal protein L19; 39S ribosomal protein L19, mitochondrial; 39S ribosomal protein L19; KIAA0104; MRP L15; RLX1; RPML15; L15mt; 39S ribosomal protein L15, mitochondrial; L19mt; MRPL15; MRP-L15; MRP-L19; MGC20675;
Gene ID	9801
mRNA Refseq	NM_014763
Protein Refseq	NP_055578

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MIM	611832
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UniProt ID	P49406
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