

Recombinant Full Length Human MRPL15 Protein, GST-tagged

Cat. No. MRPL15-6385HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPL15 full-length ORF (AAH00891, 1 a.a. - 296 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	296 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 that belongs to the EcoL15 ribosomal protein family. A pseudogene corresponding to this gene is found on chromosome 15q. [provided by RefSeq
Molecular Mass	58.30 kDa
AA Sequence	MAGPLQGGGARALDLLRGLPRVSLANLKPNGSKKPERRPRGRRRGRKCGRGHK GERQRGTRPRLGFEGGQTPFYIRIPKYGFNEGHSFRRQYKPLSLNRLQYLIDLGRVD

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PSQPIDLTQLVNGRGVTIQPLKRDYGVQLVEEGADTFTAKVNIEVQLASELAIAAIEKN
GGVTTAFYDPRSLDIVCKPVPFFLRGQPIPKRMLPPEELVPYYTDAKNRGYLADPA
KFPEARLELARKYGYILPDITKDELFKMLCTRKDPRQIFFGLAPGWVVNMADKKILKP
TDENLLKYYTS

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 MRPL15 mitochondrial ribosomal protein L15 [Homo sapiens]

Official Symbol MRPL15

Synonyms MRPL15; mitochondrial ribosomal protein L15; 39S ribosomal protein L15, mitochondrial; HSPC145; L15mt; MRP L7; MRP L15; RPML7; MRP-L7; MRP-L15;

Gene ID 29088

mRNA Refseq NM_014175

Protein Refseq NP_054894

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MIM	611828
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UniProt ID	Q9P015
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