

Recombinant Full Length Human MRPL46 Protein, GST-tagged

Cat. No. MRPL46-6427HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPL46 full-length ORF (NP_071446.2, 1 a.a. - 279 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	279 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	58.1 kDa
AA Sequence	MAAPVRRRTLLGVAGGWRRFERLWAGSLSSRSLALAAAPSSNGSPWRLLGALCLQR PPVVS KPLTPLQEEMASLLQQIEIERSLYSDHELRLDENQRLAKKKADLHDEEDEQ DILLAQDLED MWEQKFLQFKLGARITEADEKNDRTSLNRKLDRLVLLVREKFGDQD VWILPQAEWQPGETLRGTAERTLATLSENNMEAKFLGNAPCGHYTFKFPQAMRTES

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NLGAKVFFFKALLLTGDFSQAGNKGHHVWVTKDELGDYLPKPYLAQVRRFVSDL

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

MRPL46 mitochondrial ribosomal protein L46 [Homo sapiens]

Official Symbol

MRPL46

Synonyms

MRPL46; mitochondrial ribosomal protein L46; C15orf4, chromosome 15 open reading frame 4; 39S ribosomal protein L46, mitochondrial; LIECG2; P2ECSL; L46mt; MRP-L46; C15orf4; MGC22762;

Gene ID

26589

mRNA Refseq

NM_022163

Protein Refseq

NP_071446

MIM

611851

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UniProt ID

Q9H2W6

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