

Recombinant Human MRPL46 Protein, GST-tagged

Cat. No. MRPL46-5589H **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	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	58.1 kDa
AA Sequence	MAAPVVRTLLGVAGGWRRFERLWAGSLSSRSLALAAAPSSNGSPWRLLGALCLQR PPVVS KPLTPLQEEMASLLQQIEIERSLYSDHELRLDENQRLAKKKADLHDEEDEQ DILLAQDLED MWEQKFLQFKLGARITEADEKNDRTSLNRKLDRLVLLVREKFGDQD VWILPQAEWQPGETLRGTAERTLATLSENNMEAKFLGNAPCGHYTFKFPQAMRTES NLGAKVFFFKALLLTGDFSQAGNKGHHVWVTKDELGDYLPKYLAQVRRFVSDL

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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.

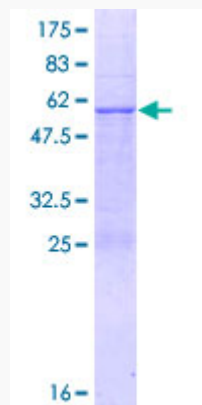
GENE INFORMATION

Gene Name	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
UniProt ID	Q9H2W6

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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