

Recombinant Full Length Human MRPL48 Protein, GST-tagged

Cat. No. MRPL48-6432HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPL48 full-length ORF (AAH09764, 1 a.a. - 212 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	212 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. A pseudogene corresponding to this gene is found on chromosome 6p. [provided by RefSeq]
Molecular Mass	49.06 kDa
AA Sequence	MSGTLGKVLCLRNNTIFKQAFSLLRFRTSGEKPIYSVGGILLSISRPYKTKPTHGIGKY KHLIKAEPPKKGKVEVRINLGTDEYEGVLNIHLTAYDMTLAESYAQYVHNLCNSL SIKVEESYAMPTKTIEVLQLQDQGSKMLLDSVLTTHERRVVQISGLSATFAEIFLEIIQSS

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LPEGVRLSVKEHTEEDFKGRFKARPELEELLAKLK

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

MRPL48 mitochondrial ribosomal protein L48 [Homo sapiens]

Official Symbol

MRPL48

Synonyms

MRPL48; mitochondrial ribosomal protein L48; 39S ribosomal protein L48, mitochondrial; CGI 118; L48MT; CGI-118; HSPC290; MRP-L48; FLJ17047; FLJ99260; MGC13323;

Gene ID

51642

mRNA Refseq

NM_016055

Protein Refseq

NP_057139

MIM

611853

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UniProt ID

Q96GC5

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