

Recombinant Human MRPL48 Protein, GST-tagged

Cat. No. MRPL48-5591H **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	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. A pseudogene corresponding to this gene is found on chromosome 6p. [provided by RefSeq]
Molecular Mass	49.06 kDa
AA Sequence	MSGTLGKVLCLRNNTIFKQAFSLRLFRTSGEKPIYSVGGILLSISRPYKTKPTHGIGKY KHLIKAEPPKKKKGKVEVRAINLGTDYEGVLNIHLTAYDMTLAESYAQYVHNLCNSL SIKVEESYAMPTKTIEVLQLQDQGSKMLLDSVLTTHERVVQISGLSATFAEIFLEIIQSS LPEGVRLSVKEHTEEDFKGRFKARPELEELLAKLK

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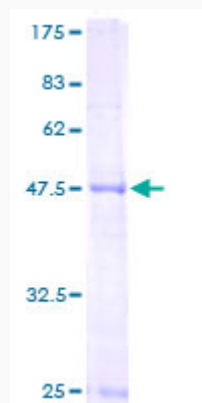
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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	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
UniProt ID	Q96GC5

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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