

Recombinant Full Length Human MRPL33 Protein, GST-tagged

Cat. No. MRPL33-6448HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPL33 full-length ORF (NP_004882.1, 1 a.a. - 65 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	65 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. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq
Molecular Mass	34 kDa
AA Sequence	MFLSAVFFAKSKSKNILVRMVSEAGTGFCFNTKRNRLREKLTLLHYDPVVKQRVLFV EKKKIRSL

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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	MRPL33 mitochondrial ribosomal protein L33 [Homo sapiens (human)]
Official Symbol	MRPL33
Synonyms	MRPL33; mitochondrial ribosomal protein L33; L33mt; C2orf1; RPL33L; MRP-L33; 39S ribosomal protein L33, mitochondrial; mitochondrial large ribosomal subunit protein bL33m; EC 3.6.5.3
Gene ID	9553
mRNA Refseq	NM_004891
Protein Refseq	NP_004882
MIM	610059
UniProt ID	O75394

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