

Recombinant Human MRPL33 Protein, GST-tagged

Cat. No. MRPL33-5576H **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	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. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq
Molecular Mass	34 kDa
AA Sequence	MFLSAVFFAKSKSKNILVRMVSEAGTGFCFNTKRNRLREKLTLLHYDPVVKQRVLFV EKKKIRSL
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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	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