

Recombinant Full Length Human MRPL1 Protein, GST-tagged

Cat. No. MRPL1-6376HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human MRPL1 full-length ORF (AAH15109, 1 a.a. - 303 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	303 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 that belongs to the L1 ribosomal protein family. [provided by RefSeq]
Molecular Mass	59.07 kDa
AA Sequence	MVYQTS LCSCSVNIRV PNRHFAAAKKS AKKTKKGAK EKTPDEKKDEIEKIKAYPYME GEPEDDVYLKRLYPRQIYEVEKAVHLLKKFQILDFTSPKQSVYLDLTLDMALGKKKNV EPFTSVLSLPYPFASEINKVAVFTENASEVKIAEENGAASAGGTSLIQKIWDDEIVADF

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YVAVPEIMPELNRLRKKLNKKYPKLSRNSIGRDIPKMLELFKNGHEIKVDEERENFLQ
TKIATLDMSSDQIAANLQAVINEVCRHRPLNLGPFVVRAFLRSSTSEGLLLKIDPLLPK
EVKNEESEKEDA

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	MRPL1 mitochondrial ribosomal protein L1 [Homo sapiens]
Official Symbol	MRPL1
Synonyms	MRPL1; mitochondrial ribosomal protein L1; 39S ribosomal protein L1, mitochondrial; BM022; L1MT; MRP-L1; FLJ96680;
Gene ID	65008
mRNA Refseq	NM_020236
Protein Refseq	NP_064621
MIM	611821

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UniProt ID

Q9BYD6

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