

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 EKPDEKKDEIEKIKAYPYME 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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