

Recombinant Full Length Human MRPL10 Protein, GST-tagged

Cat. No. MRPL10-6377HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPL10 full-length ORF (AAH15904, 1 a.a. - 261 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	261 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. A pseudogene corresponding to this gene is found on chromosome 5q. [provided by RefSeq]
Molecular Mass	54.45 kDa
AA Sequence	MAAAVAGMLRGGLLPQAGRLPTLQTVRYGSKAVTRHRRVMHFQRQKLMAVTEYIP PKPAIHPSCLPSPSPPPQEEIGLIRLLRREIAAVFQDNRMIAVCQNVALSAEDKLLMR HQLRKHKILMKIFPNQVLKPFLEDSKYQNLLPLFVGHNMLLVSEEPKVKEMVRILRTV

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PFLPLLGGCIDDITLSRQGFINYSKLPSLPLVQGELVGGLTCLTAQTHSPLQHQLQL
TTLLDQYIREQREKDSVMSANGKPDPTVPDS

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

MRPL10 mitochondrial ribosomal protein L10 [Homo sapiens]

Official Symbol

MRPL10

Synonyms

MRPL10; mitochondrial ribosomal protein L10; 39S ribosomal protein L10, mitochondrial; 39S ribosomal protein L10; mitochondrial; L10MT; MGC17973; MRP L8; MRP L10; MRPL8; RPML8; L8mt; 39S ribosomal protein L8, mitochondrial; MRP-L8; MRP-L10;

Gene ID

124995

mRNA Refseq

NM_145255

Protein Refseq

NP_660298

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MIM	611825
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UniProt ID	Q7Z7H8
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