

Recombinant Human MRPL10 Protein, GST-tagged

Cat. No. MRPL10-5554H **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	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. A pseudogene corresponding to this gene is found on chromosome 5q. [provided by RefSeq]
Molecular Mass	54.45 kDa
AA Sequence	MAAAVAGMLRGGLLPQAGRLPTLQTVRYGSKAVTRHRRVMHFQRQKLMAVTEYIP PKPAIHPSCLPSPSPPPQEEIGLIRLLRREIAAVFQDNRMIAVCQNVALSAEDKLLMR HQLRKHKILMKIFPNQVLKPFLEDSKYQNLLPLFVGHNMLLVSEEPKVKEMVRILRTV PFLPLLGGCIDDITLSRQGFINYSKLPSPPLVQGELVGGLTCLTAQTHSPLQHQPQLQL

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TTLLDQYIREQREKDSVMSANGKPDPDTPVDS

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](#)

MIM

[611825](#)

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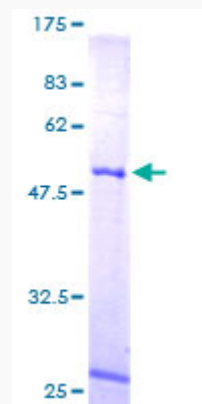
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UniProt ID

Q7Z7H8

Quality Control

Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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