

Recombinant Human MRPL37 Protein, GST-tagged

Cat. No. MRPL37-5580H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPL37 full-length ORF (NP_057575.2, 1 a.a. - 423 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. [provided by RefSeq]
Molecular Mass	74.5 kDa
AA Sequence	MALASGPARRALAGSGQLGLGGFGAPRRGAYEWGVRSTRKSEPPPLDRVYEIPGL EPITFAGKMHFVPWLARPIFPPWDRGYKDPRFYRSPPLHEHPLYKDQACYIFHHRC RLLEGVKQALWLTKTKLIEGLPEKVLSLVDDPRNHIENQDECVLNVISHARLWQTTEE IPKRETYCPVIVDNLQLCKSQILKHPSLARRICVQNSTFSATWNRESLLLQVRGSGG ARLSTKDPLPTIASREEIEATKNHVLETFYPIPIDLHECNIYDVKNDDTGFQEGYPYPY

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PHTLYLLDKANLRPHRLQPDQLRAKMILFAFGSALAQARLLYGNDAKVLEQPVVVQS
VGTDGRVHFHFLVFQLNTTDLDCNEGVKNLAWVDSQQLLYQHFWCLPVIKKRVVVEP
VGPVGFKPETFRKFLALYLHGAA

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

MRPL37 mitochondrial ribosomal protein L37 [Homo sapiens]

Official Symbol

MRPL37

Synonyms

MRPL37; mitochondrial ribosomal protein L37; 39S ribosomal protein L37, mitochondrial; MRP L2; RPML2; L2mt; ribosomal protein, mitochondrial, L2; 39S ribosomal protein L2, mitochondrial; L37mt; MRPL2; MRP-L2; MRP-L37; MGC878;

Gene ID

51253

mRNA Refseq

NM_016491

Protein Refseq

NP_057575

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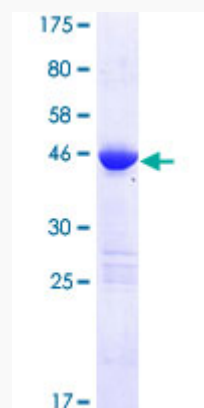
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MIM 611843

UniProt ID Q9BZE1

Quality Control
Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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