

Recombinant Human MRPL22 Protein, GST-tagged

Cat. No. MRPL22-5567H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPL22 full-length ORF (AAH12565, 1 a.a. - 206 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 that belongs to the L22 ribosomal protein family. A pseudogene corresponding to this gene is found on chromosome 4q. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Molecular Mass	48.40 kDa
AA Sequence	MAAAVLGQLGALWIHNLRSRGKLALGVLPQSYIHTSASLDIRKWEKKNKIVYPPQLP GEPRRPAEIYHCRRQIKYSKDKMWYLAKLIRGMSIDQALAQLEFNDKKGAKIIEVLL

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EAQDMAVRDHNVEFRSNLYIAESTSGRGQCLKRIRYHGRGRFGIMEKVYCHYFVKL
VEGPPPPPEPPKTAVAHAKECIQQLRSRTIVHTL

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

MRPL22 mitochondrial ribosomal protein L22 [Homo sapiens]

Official Symbol

MRPL22

Synonyms

MRPL22; mitochondrial ribosomal protein L22; 39S ribosomal protein L22, mitochondrial; HSPC158; MRP L25; RPML25; L25mt; 39S ribosomal protein L25, mitochondrial; L22mt; MRP-L22; MRP-L25; DKFZp781F1071;

Gene ID

29093

mRNA Refseq

NM_001014990

Protein Refseq

NP_001014990

MIM

611835

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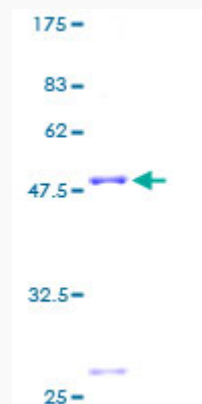
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UniProt ID

Q9NWU5

Quality Control

Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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