

Recombinant Human MRPL32 Protein, GST-tagged

Cat. No. MRPL32-5575H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPL32 full-length ORF (NP_114109.1, 1 a.a. - 188 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 L32 ribosomal protein family. A pseudogene corresponding to this gene is found on chromosome Xp. [provided by RefSeq]
Molecular Mass	47.8 kDa
AA Sequence	MALAMLVLVVSPWSAARGVLRNYWERLLRKLPQSRPGFPSPWPWGPALAVQGPAMF TEPANDTSGSKENSSLLDSIFWMAAPKNRRTIEVNRCCRNPQKLIKVKNNIDVCPE CGHLKQKHVLCAYCYEKVCKETAIEIRRIQIGKQEGGPFKAPTIVVLYTGETPSEQD

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QGKRIIERDRKRPSWFTQN

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

MRPL32 mitochondrial ribosomal protein L32 [Homo sapiens (human)]

Official Symbol

MRPL32

Synonyms

MRPL32; mitochondrial ribosomal protein L32; L32mt; HSPC283; MRP-L32; bMRP-59b; 39S ribosomal protein L32, mitochondrial; mitochondrial large ribosomal subunit protein bL32m; EC 3.6.5.3

Gene ID

64983

mRNA Refseq

NM_031903

Protein Refseq

NP_114109

MIM

611839

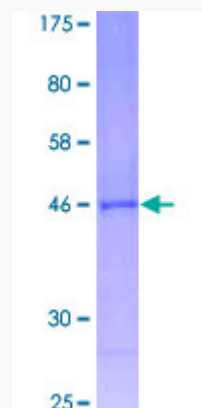
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UniProt ID

Q9BYC8

Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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