

Recombinant Full Length Human MRPS34 Protein, GST-tagged

Cat. No. MRPS34-6505HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPS34 full-length ORF (AAH01182.1, 1 a.a. - 218 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	218 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 28S subunit protein. Alternate splice variants of this gene have been described but their full-length nature has not been determined. [provided by RefSeq]
Molecular Mass	50.38 kDa
AA Sequence	MARKKVRPRLIAELARRVRALREQLNRPRDSQLYAVDYETLTRPFSGRRLPVRAWA DVRRESRLQLLGRPLFGLGRLVTRKSWLWQHDEPCYWRLTRVRPDYTAQNLDH

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GKAWGILTFKGTKTESEAREIEHVMYHDWRLVPKHAAAAAFTAPEDSLASVPYPP
LLRAMIIAERQKNGDTSTEEPMLNVQRIRMEPWDYPAPQEDKGRAKGPV

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

MRPS34 mitochondrial ribosomal protein S34 [Homo sapiens]

Official Symbol

MRPS34

Synonyms

MRPS34; mitochondrial ribosomal protein S34; 28S ribosomal protein S34, mitochondrial; MGC2616; MRP S12; S34mt; MRPS12; MRP-S12; MRP-S34;

Gene ID

65993

mRNA Refseq

NM_023936

Protein Refseq

NP_076425

MIM

611994

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UniProt ID

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