Recombinant Human MRPS34 Protein, GST-tagged

Cat. No. MRPS34-5621H **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	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 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 DVRRESRLLQLLGRLPLFGLGRLVTRKSWLWQHDEPCYWRLTRVRPDYTAQNLDH GKAWGILTFKGKTESEAREIEHVMYHDWRLVPKHEEEAFTAFTPAPEDSLASVPYPP

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	LLRAMIIAERQKNGDTSTEEPMLNVQRIRMEPWDYPAKQEDKGRAKGTPV
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-HCI, 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
UniProt ID	P82930

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