

Recombinant Full Length Human MRPL24 Protein, GST-tagged

Cat. No. MRPL24-6416HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human MRPL24 full-length ORF (NP_078816.2, 1 a.a. - 216 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	216 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 39S subunit protein which is more than twice the size of its E.coli counterpart (EcoL24). Sequence analysis identified two transcript variants that encode the same protein. [provided by RefSeq]
Molecular Mass	51.3 kDa
AA Sequence	MRLSALLALASKVTLPPHYRYGMSPPGSVADKRKNPPWIRRRPVVVEPISDEDWYL FCGDTVEILEGKDAGKQKGKVVQVIRQRNWVVVGLNTHYRYIGKTMDYRGTMIPISE

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APLLHRQVKLVDPMDRKPTEIEWRFTEAGERVVRVSTRSGRIIPKPEFPRADGIVPET
WIDGPKDTSVEDALERTYVPCLKTLQEEVMEAMGIKETRKYKKVYWY

Applications	<p>Enzyme-linked Immunoabsorbent Assay</p> <p>Western Blot (Recombinant protein)</p> <p>Antibody Production</p> <p>Protein Array</p>
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	MRPL24 mitochondrial ribosomal protein L24 [Homo sapiens]
Official Symbol	MRPL24
Synonyms	MRPL24; mitochondrial ribosomal protein L24; MRP-L18;
Gene ID	64991

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