

Recombinant Full Length Human MRPL52 Protein, GST-tagged

Cat. No. MRPL52-6444HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPL52 full-length ORF (AAH68070.1, 1 a.a. - 123 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	123 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 has no bacterial homolog. Multiple transcript variants encoding different protein isoforms were identified through sequence analysis. [provided by RefSeq]
Molecular Mass	39.93 kDa
AA Sequence	MAALGTVLFTGVRRHLHCSAAAWAGGQWRLQQGLAANPSGYGPLTELPDCSYADG RPAPPMKGQLRRKAERETFARRVLLSQEMDAGLQAWQLRQQKLQEEQRKQENA

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	LKPKGASLKSPGPSQ
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	MRPL52 mitochondrial ribosomal protein L52 [Homo sapiens]
Official Symbol	MRPL52
Synonyms	MRPL52; mitochondrial ribosomal protein L52
Gene ID	122704
mRNA Refseq	NM_181307
Protein Refseq	NP_851824
MIM	611856
UniProt ID	Q86TS9

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