

Recombinant Human MRPL52 Protein, GST-tagged

Cat. No. MRPL52-5596H **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	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 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	MAALGTVLFTGVRRLHCSAAAWAGGQWRLQQGLAANPSGYGPLTELPDCSYADG RPAPPMKGQLRRKAERETFARRVLLSQEMDAGLQAWQLRQQKLQEEQRKQENA LKPKGASLKSPLPSQ

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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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