

Recombinant Full Length Human MRPL39 Protein, GST-tagged

Cat. No. MRPL39-6407HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human MRPL39 full-length ORF (AAH04896, 1 a.a. - 333 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	333 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. Two transcript variants encoding distinct isoforms have been described. A pseudogene corresponding to this gene is found on chromosome 5q. [provided by RefSeq]
Molecular Mass	62.37 kDa
AA Sequence	MGSRALRLWLVPGGGIKWRFIATSPASQLSPTELTEMRNDLFNKEKARQLSLTPRT EKIEVKHVGKTDPGTVFVMNKNISTPYSCAMHLSEWYCRKSILALVDGQPWDMYKP

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LTKSCEIKFLTFKDCDPGEV NKAYWRSCAMMMGCVIERAFKDEYMVNLVRAPEVPV
 ISGAFICYDVVLDSKLDWMPKTKENLRSFTKDAHALIYKDLPFETLEVEAKVALEIFQH
 SKYKVD FIEEKASQNP ERIVK LHRIGDFIDVSEGPLIPRTSICFQYEVS AVHNLQPTQP
 SLIRRFQGVSLPVHLRAHFTIWDKLLERSRKMVTE DQSKATEECTST

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	MRPL39 mitochondrial ribosomal protein L39 [Homo sapiens]
Official Symbol	MRPL39
Synonyms	MRPL39; mitochondrial ribosomal protein L39; RPML5; MRP-L5; PRED22; PRED66; FLJ20451;
Gene ID	64977

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