Recombinant Full Length Human MRPL44 Protein, GST-tagged

Cat. No. MRPL44-6425HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPL44 full-length ORF (NP_075066.1, 1 a.a. - 332 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	332 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. [provided by RefSeq
Molecular Mass	63.9 kDa
AA Sequence	MASGLVRLLQQGHRCLLAPVAPKLVPPVRGVKKGFRAAFRFQKELERQRLLRCPPP PVRRSEKPNWDYHAEIQAFGHRLQENFSLDLLKTAFVNSCYIKSEEAKRQQLGIEKE AVLLNLKSNQELSEQGTSFSQTCLTQFLEDEYPDMPTEGIKNLVDFLTGEEVVCHVA RNLAVEQLTLSEEFPVPPAVLQQTFFAVIGALLQSSGPERTALFIRDFLITQMTGKELF

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	EMWKIINPMGLLVEELKKRNVSAPESRLTRQSGGTTALPLYFVGLYCDKKLIAEGPG ETVLVAEEEAARVALRKLYGFTENRRPWNYSKPKETLRAEKSITAS
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	MRPL44 mitochondrial ribosomal protein L44 [Homo sapiens (human)]
Official Symbol	MRPL44
Synonyms	MRPL44; mitochondrial ribosomal protein L44; L44MT; COXPD16; MRP-L44; 39S ribosomal protein L44, mitochondrial; mitochondrial large ribosomal subunit protein mL44; EC 3.1.26.-
Gene ID	65080
mRNA Refseq	NM_022915
Protein Refseq	NP_075066
MIM	611849

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UniProt ID	Q9H9J2

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