

Recombinant Full Length Human MRPL41 Protein, GST-tagged

Cat. No. MRPL41-6420HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPL41 full-length ORF (NP_115866.1, 1 a.a. - 137 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	137 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 that belongs to the YmL27 ribosomal protein family. [provided by RefSeq]
Molecular Mass	41.8 kDa
AA Sequence	MGVLAAAARCLVRGADRMSKWTSKRGPRSRFRGRKGRGAKGIGFLTSGWRFVQIKE MVPEFVVDPDLTGFKLKPYVSYLAPSEETPLTAAQLFSEAVAPAIEKDFKDGTFDPD NLEKYGFEPQTQEGKLFQLYPRNFLR

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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	MRPL41 mitochondrial ribosomal protein L41 [Homo sapiens]
Official Symbol	MRPL41
Synonyms	BMRP; PIG3; MRPL27; RPML27; MRP-L27
Gene ID	64975
mRNA Refseq	NM_032477
Protein Refseq	NP_115866
MIM	611846
UniProt ID	Q8IXM3

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