

Recombinant Full Length Human MRPL57 Protein, GST-tagged

Cat. No. MRPL57-6374HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRP63 full-length ORF (ABM86207.1, 1 a.a. - 102 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	102 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 protein which belongs to an undetermined ribosomal subunit and which seems to be specific to animal mitoribosomes. Pseudogenes corresponding to this gene are found on chromosomes 1p, 1q, 3p, 5q, 8q, 14q, and Y. [provided by RefSeq]
Molecular Mass	37.62 kDa
AA Sequence	MFLTALLWRGRIPGRQWIGKHRRPRFVSLRAKQNMIRRLEIEAENHYWLSMPYMT

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EQERGHAAVRRREAFAEAIKAAATSKFPPHRFIADQLDHLNVTKKWS

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

GENE INFORMATION

Gene Name MRPL57 mitochondrial ribosomal protein L57 [Homo sapiens (human)]

Official Symbol MRPL57

Synonyms

MRPL57; mitochondrial ribosomal protein L57; MRP63; bMRP63; ribosomal protein 63, mitochondrial; hMRP63; mitochondrial large ribosomal subunit protein mL63; mitochondrial ribosomal protein 63; mitochondrial ribosomal protein bMRP63

Gene ID 78988

mRNA Refseq NM_024026

Protein Refseq NP_076931

MIM 611997

UniProt ID Q9BQC6

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