

Recombinant Human MRP63 Protein, GST-tagged

Cat. No. MRPL57-5552H **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	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 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	MFLTALLWRGRIPGRQWIGKHRRPRFVSLRAKQNMIRRLEIEAENHYWLSMPYMTREQERGHA AVR RREA FEA I KAAATSKFP PHRFIADQLDHLNVTKKWS

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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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