

Recombinant Human MRPL51 Protein, GST-tagged

Cat. No. MRPL51-5595H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPL51 full-length ORF (AAH00191, 1 a.a. - 128 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 39S subunit protein. Pseudogenes corresponding to this gene are found on chromosomes 4p and 21q. [provided by RefSeq]
Molecular Mass	39.82 kDa
AA Sequence	MAGNLLSGAGRRLWDWVPLACRSFSLGVPRLIGIRLTLPKPKVVDWNEKRAMFGV YDNIGILGNFEKHPKELIRGPIWLRGWKGNELQRCIRKRMVGSRMFADDLHNLNKR IRYLYKHFNHRHGKFR
Applications	Enzyme-linked Immunoabsorbent Assay

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	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	MRPL51 mitochondrial ribosomal protein L51 [Homo sapiens]
Official Symbol	MRPL51
Synonyms	MRPL51; mitochondrial ribosomal protein L51; mitochondrial ribosomal protein 64 , MRP64; 39S ribosomal protein L51, mitochondrial; bMRP64; CDA09; HSPC241; L51mt; MRP-L51; bMRP-64; mitochondrial ribosomal protein 64; mitochondrial ribosomal protein bMRP64; MRP64;
Gene ID	51258
mRNA Refseq	NM_016497
Protein Refseq	NP_057581
MIM	611855
UniProt ID	Q4U2R6

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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