

MRPL51 (Human) Recombinant Protein (P01)

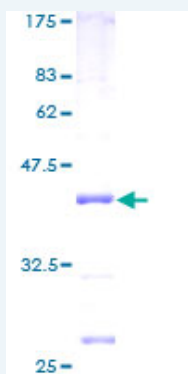
Catalog # : H00051258-P01

規格 : [2 ug]

List All

Specification

Product Description:	Human MRPL51 full-length ORF (AAH00191, 1 a.a. - 128 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence:	MAGNLLSGAGRRLWDWVPLACRSFSLGVPRLIGIRLTLPKPKVDRWN EKRAMFGVYDNGILGNFEKHPKELIRGPIWLRGWKGNELQRCIRKRKMV GSRMFADDLHNLNKRIRYLYKHFNRHGKFR
Host:	Wheat Germ (in vitro)
Theoretical MW (kDa):	39.82
Preparation Method:	<i>in vitro</i> wheat germ expression system
Purification:	Glutathione Sepharose 4 Fast Flow
Quality Control Testing:	12.5% SDS-PAGE Stained with Coomassie Blue.



Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note: Best use within three months from the date of receipt of this protein.

MSDS: [Download](#)

Datasheet: [Download](#)

Applications

Enzyme-linked Immunoabsorbent Assay

Western Blot (Recombinant protein)

Antibody Production

Application Image

Enzyme-linked
Immunoabsorbent Assay

Western Blot (Recombinant
protein)

Antibody Production

Protein Array

Protein Array

Gene Information

Entrez GeneID: [51258](#)

**GeneBank
Accession#:** [BC000191](#)

**Protein
Accession#:** [AAH00191](#)

Gene Name: MRPL51

Gene Alias: CDA09,HSPC241,MRP64,bMRP64

**Gene
Description:** mitochondrial ribosomal protein L51

Gene Ontology: [Hyperlink](#)

Gene Summary: 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]

**Other
Designations:** mitochondrial ribosomal protein 64,mitochondrial ribosomal protein bMRP64

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