

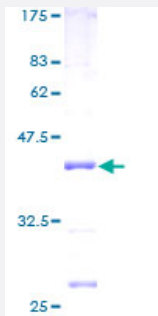
Full-Length

MRPL51 (Human) Recombinant Protein (P01)

Catalog # H00051258-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human MRPL51 full-length ORF (AAH00191, 1 a.a. - 128 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MAGNLLSGAGRRLWDWVPLACRSFSLGVPRLLIGRLTLPKPKVVDWNEKRAMFGVYDNIGILGN FEKHPKELIRGPWLRLGWKGNELQRCIRKRKMVGSRMFADDLHNLNKRIRLYKHFNRHGKFR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	39.82
Interspecies Antigen Sequence	Mouse (82); Rat (78)
Preparation Method	in vitro 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.

Applications

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

Gene Info — MRPL51

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