# MRPL51 (Human) Recombinant Protein (P01)

**Catalog # :** H00051258-P01 **規格 :** [ 2 ug ]

List All

## Specification

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|---|---|
| **Product Description:** | Human MRPL51 full-length ORF ( AAH00191, 1 a.a. - 128 a.a.) recombinant protein with GST-tag at N-terminal. |
| **Sequence:** | MAGNLLSGAGRRLWDWVPLACRSFSLGVPRLIGIRLTLPPPKVVDRWN EKRAMFGVYDNIGILGNFEKHPKELIRGPIWLRGWKGNELQRCIRKRKMV GSRMFADDLHNLNKRIRYLYKHFNRHGKFR |
| **Host:** | Wheat Germ (in vitro) |
| **Theoretical MW (kDa):** | 39.82 |
| **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. |


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| **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

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|---|---|
| **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 |