

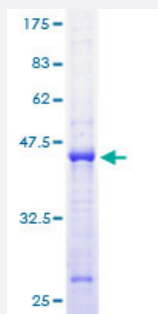
Full-Length

MRPL23 (Human) Recombinant Protein (P01)

Catalog # H00006150-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human MRPL23 full-length ORF (AAH27710, 1 a.a. - 153 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MARNVVYPLYRLGGPQLRVFRTNFFIQLVRPGVAQPEDTVQFRIPMEMTRVDLRNYLEGYNVPVA AVRTRVQHGSNKRRDHRNVRKKPDYKVA YVQLAHGQTTFPDLFPEKDESPEGSAADDLYSML EEERQQRQSSDPRRGVPSWFGL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	42.68
Interspecies Antigen Sequence	Mouse (84); Rat (84)
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 — MRPL23

Entrez GeneID [6150](#)

GeneBank Accession# [BC027710](#)

Protein Accession# [AAH27710](#)

Gene Name MRPL23

Gene Alias FLJ45387, L23MRP, RPL23, RPL23L

Gene Description mitochondrial ribosomal protein L23

Omim ID [600789](#)

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 28 S 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. The gene is biallelically expressed, despite its location within a region of imprinted genes on chromosome 11. [provided by RefSeq]

Other Designations L23 mitochondrial-related protein|OTTHUMP00000014439|OTTHUMP00000069610|ribosomal protein L23-like|ribosomal protein related to L23 (mitochondrial)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Ovarian cancer](#)
- [Ovarian Neoplasms](#)