

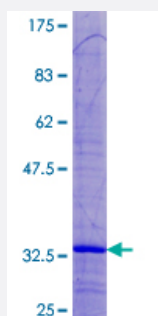
Full-Length

MRPL33 (Human) Recombinant Protein (P01)

Catalog # H00009553-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human MRPL33 full-length ORF (NP_004882.1, 1 a.a. - 65 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MFLSAVFFAKSKSKNILVRMVSEAGTGFCFNTKRNRLREKL TLLHYDPVVKQRVLFVEKKKIRSL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	34
Interspecies Antigen Sequence	Mouse (76); 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 — MRPL33

Entrez GeneID [9553](#)

GeneBank Accession# [NM_004891.3](#)

Protein Accession# [NP_004882.1](#)

Gene Name MRPL33

Gene Alias C2orf1, MGC111093, MGC13694, MGC23922, RPL33L

Gene Description mitochondrial ribosomal protein L33

Omim ID [610059](#)

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. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq]

Other Designations OTTHUMP00000123443|ribosomal protein L33-like