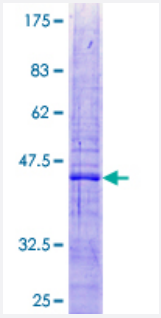
Full-Length

MRPL47 (Human) Recombinant Protein (P01)

Catalog # H00057129-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human MRPL47 full-length ORF (NP_817125.1, 1 a.a. - 140 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MLLTLEQEAKRQRLPMPSPERLDKVVDSMDALDKVVQEREDALRLLQTGQERARPGAWRRDIF GRIIWHKFKQWVIPWHLNKRYNRKRFFALPYVDHFLRLEREKRARIKARKENLERKKAKILLKKFPH LAEAQKSSLV
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	43.4
Interspecies Antigen Sequence	Mouse (80); Rat (80)
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 — MRPL47

Entrez GeneID	57129
GeneBank Accession#	NM_177988.1
Protein Accession#	NP_817125.1
Gene Name	MRPL47
Gene Alias	CGI-204, MGC45403, NCM1
Gene Description	mitochondrial ribosomal protein L47
Gene Ontology	Hyperlink
Gene Summary	Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein s ynthesis 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 co mpared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mam malian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among diff erent species, the proteins comprising the mitoribosome differ greatly in sequence, and sometim es in biochemical properties, which prevents easy recognition by sequence homology. This gene encodes a 39S subunit protein. This gene is immediately adjacent to the gene for BAF complex 5 3 kDa subunit protein a (BAF53a), in a tail-to-tail orientation. Two transcript variants encoding diff erent protein isoforms have been identified. [provided by RefSeq
Other Designations	nasopharyngeal carcinoma metastasis-related 1