

Recombinant Human MRPL50 Protein, GST-tagged

Cat. No. MRPL50-5594H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPL50 full-length ORF (NP_061924.1, 1 a.a. - 158 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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 putative 39S subunit protein and belongs to the L47P ribosomal protein family. Pseudogenes corresponding to this gene are found on chromosomes 2p, 2q, 5p, and 10q. [provided by RefSeq]
Molecular Mass	44.7 kDa
AA Sequence	MAARSVSGITRRVFMWTVSGTPCREFWSRFRKEKEPVVVETVEEKKEPILVCPPLR SRAYTPPEDLQSRLESYVKEVFGSSLPSNWQDISLEDSRLKFNLLAHLADDLGHVVP NSRLHQMCRVRDVLDFYNVPIQDRSKFDELSASNLPNLIKITSY

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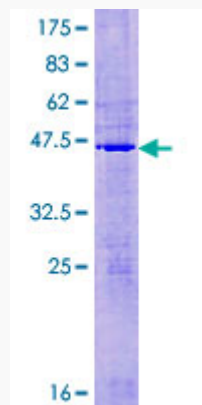
 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	MRPL50 mitochondrial ribosomal protein L50 [Homo sapiens]
Official Symbol	MRPL50
Synonyms	MRPL50; mitochondrial ribosomal protein L50; 39S ribosomal protein L50, mitochondrial; FLJ20493; mitochondrial 39S ribosomal protein L50; MRP L50; L50mt; MRP-L50; FLJ21990;
Gene ID	54534
mRNA Refseq	NM_019051
Protein Refseq	NP_061924
MIM	611854
UniProt ID	Q8N5N7

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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