

Recombinant Human MRPL54 Protein, GST-tagged

Cat. No. MRPL54-5597H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPL54 full-length ORF (NP_758455.1, 1 a.a. - 138 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 39S subunit protein. [provided by RefSeq
Molecular Mass	42.2 kDa
AA Sequence	MATKRLFGATRTWAGWGAWELLNPATSGRLLARDYAKKPVMKGAKSGKGAVTSE ALKDPDVCTDPVQLTTYAMGVNIYKEGQDVPLKPDAEYPEWLFEMNLGPPKLEEL DPESREYWRRLRKQNIWRHNRLSKNKRL
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

 Tel: 1-631-559-9269 1-516-512-3133

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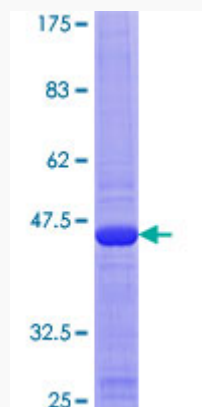
 45-1 Ramsey Road, Shirley, NY 11967, USA

	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	MRPL54 mitochondrial ribosomal protein L54 [Homo sapiens]
Official Symbol	MRPL54
Synonyms	MRPL54; mitochondrial ribosomal protein L54; 39S ribosomal protein L54, mitochondrial; L54mt; MRP-L54;
Gene ID	116541
mRNA Refseq	NM_172251
Protein Refseq	NP_758455
MIM	611858
UniProt ID	Q6P161

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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