

Recombinant Full Length Human MRPL14 Protein, GST-tagged

Cat. No. MRPL14-6383HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPL14 full-length ORF (NP_115487.2, 1 a.a. - 145 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	145 amino acids
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. A pseudogene corresponding to this gene is found at 17p13.3. [provided by RefSeq
Molecular Mass	42.3 kDa
AA Sequence	MAFFTGLWGPFTCVSRVLSHHCFSTTGSLSAIQKMTRVRVVDNSALGNSPYHRAPR CIHVYKKNVGKVGQDQILLAIKGQKKKALIVGHCMGPRMTPRFDSNNVVLIEDNGN PVGTRIKTPIPTSLRKREGEYSKVLAIAQNFV

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 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	MRPL14 mitochondrial ribosomal protein L14 [Homo sapiens]
Official Symbol	MRPL14
Synonyms	L14mt; L32mt; MRPL32; RMPL32; RPML32; MRP-L14; MRP-L32
Gene ID	64928
mRNA Refseq	NM_032111
Protein Refseq	NP_115487
MIM	611827
UniProt ID	Q6P1L8

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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