

Recombinant Human MRPL14 Protein, GST-tagged

Cat. No. MRPL14-5558H **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	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. A pseudogene corresponding to this gene is found at 17p13.3. [provided by RefSeq]
Molecular Mass	42.3 kDa
AA Sequence	MAFFTGLWGPFTCVSRVLSHHCFSTTGSLSAIQKMTRVRVVDNSALGNSPYHRAPR CIHVYKKNVGKVGQDQILLAIKGQKKKALIVGHCMGPRMTPRFDSSNNVLIEDNGN PVGTRIKTPIPTSLRKREGEYSKVLAIAQNFV
Applications	Enzyme-linked Immunoabsorbent Assay

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	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.

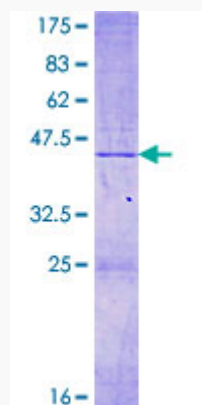
GENE INFORMATION

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

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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