Recombinant Human MRPL15 Protein, GST-tagged

Cat. No. MRPL15-5559H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPL15 full-length ORF (AAH00891, 1 a.a. - 296 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 that belongs to the EcoL15 ribosomal protein family. A pseudogene corresponding to this gene is found on chromosome 15q. [provided by RefSeq
Molecular Mass	58.30 kDa
AA Sequence	MAGPLQGGGARALDLLRGLPRVSLANLKPNPGSKKPERRPRGRRRGRKCGRGHK GERQRGTRPRLGFEGGQTPFYIRIPKYGFNEGHSFRRQYKPLSLNRLQYLIDLGRVD PSQPIDLTQLVNGRGVTIQPLKRDYGVQLVEEGADTFTAKVNIEVQLASELAIAAIEKN

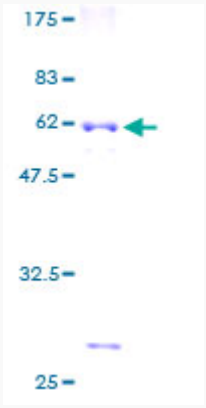
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	GGVVTTAFYDPRSLDIVCKPVPFFLRGQPIPKRMLPPEELVPYYTDAKNRGYLADPA KFPEARLELARKYGYILPDITKDELFKMLCTRKDPRQIFFGLAPGWVVNMADKKILKP TDENLLKYYTS
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
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	MRPL15 mitochondrial ribosomal protein L15 [Homo sapiens]
Official Symbol	MRPL15
Synonyms	MRPL15; mitochondrial ribosomal protein L15; 39S ribosomal protein L15, mitochondrial; HSPC145; L15mt; MRP L7; MRP L15; RPML7; MRP-L7; MRP-L15;
Gene ID	29088
mRNA Refseq	NM_014175
Protein Refseq	NP_054894
MIM	611828

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UniProt ID	Q9P015
Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.

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