

Recombinant Human MRPL1 Protein, GST-tagged

Cat. No. MRPL1-5553H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human MRPL1 full-length ORF (AAH15109, 1 a.a. - 303 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 L1 ribosomal protein family. [provided by RefSeq]
Molecular Mass	59.07 kDa
AA Sequence	MVYQTSLCSCSVNIRVPNRHFAAAKKS AKKTKKGAK E KTPDEKKDEIEKIKAYPYME GEPEDDVYLKRLYPRQIYEVEKAVHLLKKFQILDFTSPKQSVYLDLTLDMALGKKKNV EPFTSVLSLPYPFASEINKVAVFTENASEVKIAEENGAASAGGTSLIQKIWDDEIVADF YVAVPEIMPELNRLRKKLNKKYPKLSRNSIGRDIPKMLELFKNGHEIKVDEERENFLQ

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	TKIATLDMSSDQIAANLQAVINEVCRHRPLNLGPFVVRAFLRSSTSEGLLLKIDPLLPK EVKNEESEKEDA
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	MRPL1 mitochondrial ribosomal protein L1 [Homo sapiens]
Official Symbol	MRPL1
Synonyms	MRPL1; mitochondrial ribosomal protein L1; 39S ribosomal protein L1, mitochondrial; BM022; L1MT; MRP-L1; FLJ96680;
Gene ID	65008
mRNA Refseq	NM_020236
Protein Refseq	NP_064621
MIM	611821

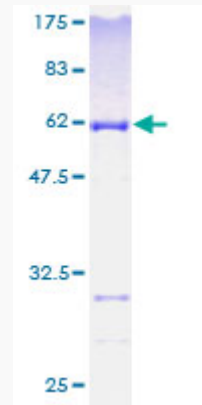
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UniProt ID

Q9BYD6

Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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