

## Recombinant Human MRPL4 Protein, GST-tagged

Cat. No. MRPL4-5583H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human MRPL4 full-length ORF ( AAH00756, 1 a.a. - 263 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	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. Sequence analysis identified alternatively spliced variants that encode different protein isoforms. [provided by RefSeq]
<b>Molecular Mass</b>	54.67 kDa
<b>AA Sequence</b>	MLQFVRAGARAWLRPTGSQGLSSLAEEAARATENPEQVASEGLPEPVLRKVELPVP THRRPVQAWVESLRGFEQERVGLADLHPDVFATAPRLDILHQVAMWQKNFKRISYA KTKTRAEVRRGGGRKPWPQKGTGRARHGSIRSPLWRGGGVAHGPRGPTSYYYYMLP

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MKVRALGLKVALTVKLAQDDLHIMDSLELPTGDPQYLTELAHYRRWGDSVLLVDLTH  
EEMPQSIVEATSRLKTFNLIPAVGEQRAQAPRVRMCRLRC

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	MRPL4 mitochondrial ribosomal protein L4 [ Homo sapiens ]
<b>Official Symbol</b>	MRPL4
<b>Synonyms</b>	MRPL4; mitochondrial ribosomal protein L4; 39S ribosomal protein L4, mitochondrial; CGI 28; MRP-L4; L4mt; CGI-28; MGC2681; MGC16367;
<b>Gene ID</b>	51073
<b>mRNA Refseq</b>	NM_015956
<b>Protein Refseq</b>	NP_057040
<b>MIM</b>	611823

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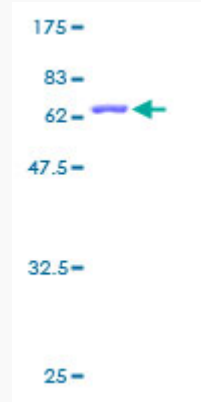
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UniProt ID

Q9BYD3

Quality Control

Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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