

Recombinant Human MRPL4 Protein, GST-tagged

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

SPECIFICATION

Product Overview	Human MRPL4 full-length ORF (AAH00756, 1 a.a. - 263 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. Sequence analysis identified alternatively spliced variants that encode different protein isoforms. [provided by RefSeq]
Molecular Mass	54.67 kDa
AA Sequence	MLQFVRAGARAWLRPTGSQGLSSLAEEAARATENPEQVASEGLPEPVLRKVELPVP THRRPVQAWVESLRGFEQERVGLADLHPDVFATAPRLDILHQVAMWQKNFKRISYA KTKTRAEVRGGGRKPWPQKGTGRARHGSIRSPLWRGGGVAHGPRGPTSYYYYMLP

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

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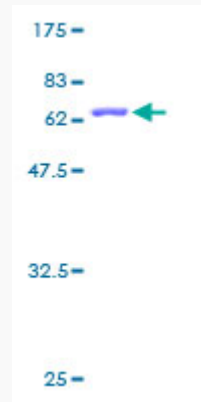


UniProt ID

Q9BYD3

Quality Control

Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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