

Recombinant Full Length Human MRPL13 Protein, GST-tagged

Cat. No. MRPL13-6381HF Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Human MRPL13 full-length ORF (AAH09190, 1 a.a. - 178 a.a.) recombinant protein with GST-tag at N-terminal. |
| Species | Human |
| Source | In Vitro Cell Free System |
| ProteinLength | 178 amino acids |
| 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. [provided by RefSeq] |
| Molecular Mass | 45.32 kDa |
| AA Sequence | MSSFSRAPQQWATFARIWYLLDGKMQPPGKLAAMASIRLQGLHKPVYHALSDCGD HVVIMNTRHIAFSGNKWEQKVYSSHTGYPPGFRQVTAACLHLRDPVAIVKLAIYGM PKNLHRRRTMMERLHLFPDEYIPEDILKNLVEELPQPRKIPKRLDEYEQEEIDAFPR LWTPPEDYRL |

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| 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

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| Gene Name | MRPL13 mitochondrial ribosomal protein L13 [Homo sapiens] |
| Official Symbol | MRPL13 |
| Synonyms | MRPL13; mitochondrial ribosomal protein L13; 39S ribosomal protein L13, mitochondrial; L13; L13A; L13mt; RPL13; RPML13; MRP-L13; |
| Gene ID | 28998 |
| mRNA Refseq | NM_014078 |
| Protein Refseq | NP_054797 |
| MIM | 610200 |
| UniProt ID | Q9BYD1 |

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