

Recombinant Human MRPL2 Protein, GST-tagged

Cat. No. MRPL2-5564H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPL2 full-length ORF (BAG37453.1, 1 a.a. - 305 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 EcoL2 ribosomal protein family. A pseudogene corresponding to this gene is found on chromosome 12q. [provided by RefSeq]
Molecular Mass	59.95 kDa
AA Sequence	MALCALTRALRSLNLAPPTVAAPAPSLFPAAQMMNNGLLQQPSALMLLPCRPLVTSV ALNANFVSWKSRTKYTITPVKMRKSGGRDHTGRIRVHGIGGGHKKQRYRMIDFLRFR PEETKSGPFEEKVIQVRYDPCRSADIALVAGGSRKRWIIATENMQAGDTILNSNHIGR

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MAVAAREGDAHPLGALPVGTLINNVESEPGRGAQYIRAAGTCGVLLRKVNGTAIIQL
PSKRQMQVLETCVATVGRVSNVDHNKRKRVIGKAGRNRWLKGKRPNSGRWHRKGGW
AGRKIRPLPPMKSYVKLPSASAQS

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

MRPL2 mitochondrial ribosomal protein L2 [Homo sapiens]

Official Symbol

MRPL2

Synonyms

MRPL2; mitochondrial ribosomal protein L2; RPML14; MRP-L14;

Gene ID

65007

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