

Recombinant Full Length Human MRPL30 Protein, GST-tagged

Cat. No. MRPL30-6439HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPL30 full-length ORF (NP_660213.1, 1 a.a. - 161 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	161 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. Sequence analysis identified at least two transcript variants encoding the same protein. Pseudogenes corresponding to this gene are found on chromosomes 6p and 12p. [provided by RefSeq
Molecular Mass	44.9 kDa
AA Sequence	MAGILRLVVQWPPGRLQTVTKGVESLICTDWIRHKFTRSRPEKVFQASPEDHEKYG GDPQNPHKLHIVTRIKSTRRRPYWEKDIKMLGLEKAHTPQVHKNI PSVNAKLKVVKH

 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

LIRIKPLKLPQGLPAEENMSNTCLKSTGELVVQWHLKPVEQKAHES

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

MRPL30 mitochondrial ribosomal protein L30 [Homo sapiens (human)]

Official Symbol

MRPL30

Synonyms

MRPL30; mitochondrial ribosomal protein L30; L28MT; L30MT; MRPL28; RPML28; MRP-L28; MRP-L30; MRPL28M; 39S ribosomal protein L30, mitochondrial; 39S ribosomal protein L28, mitochondrial; mitochondrial large ribosomal subunit protein uL30m

Gene ID

51263

mRNA Refseq

NM_145212

Protein Refseq

NP_660213

MIM

611838

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UniProt ID

Q8TCC3

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