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	MAGILRLVVQWPPGRLQTVTKGVESLICTDWIRHKFTRSRIPEKVFQASPEDHEKYG GDPQNPHKLHIVTRIKSTRRRPYWEKDIIKMLGLEKAHTPQVHKNIPSVNAKLKVVKH

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

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

UniProt ID	Q8TCC3

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