Recombinant Human MRPL30 Protein, GST-tagged

Cat. No. MRPL30-5574H **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	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 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 LIRIKPLKLPQGLPAEENMSNTCLKSTGELVVQWHLKPVEQKAHES

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

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
UniProt ID	Q8TCC3

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Quality Control Testing:	 12.5% SDS-PAGE Stained with Coomassie Blue.

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