

Recombinant Full Length Human MRPL20 Protein, GST-tagged

Cat. No. MRPL20-6402HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPL20 full-length ORF (NP_060441.2, 1 a.a. - 149 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	149 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. A pseudogene corresponding to this gene is found on chromosome 21q. [provided by RefSeq
Molecular Mass	43.8 kDa
AA Sequence	MVFLTAQLWLRNRVTDRYFRIQEVLKHARHFRGRKNRCYRLAVRTVIRAFVKCTKA RYLKKKNMRTLWINRITAASQEHGLKYPALIGNLVKCQVELNRKVLADLAIYEPKTFK SLAALASRRRHGFAAALGDGKEPEGIFSRVVQYH

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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	
Gene Name	MRPL20 mitochondrial ribosomal protein L20 [Homo sapiens]
Official Symbol	MRPL20
Synonyms	L20mt; MRP-L20; MRPL20; mitochondrial ribosomal protein L20
Gene ID	55052
mRNA Refseq	NM_017971
Protein Refseq	NP_060441
MIM	611833
UniProt ID	Q9BYC9

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