

Recombinant Human MRPL19 Protein, GST-tagged

Cat. No. MRPL19-5563H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPL19 full-length ORF (AAH30144, 1 a.a. - 292 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. [provided by RefSeq]
Molecular Mass	57.86 kDa
AA Sequence	MAACIAAGHWAAMGLGRSFQAARTLLPPPASIACRVHAGPVRQQSTGPSEPGAQFQ PPPKPVIVDKHRPVEPERFLSPEFIPRRGRDPLKFQIERKDMLEERRKVLHIPEFYV GSILRVTTADPYASGKISQFLGICIQRSRGLGATFILRNVEGQGVEICFELYNPRVQ EIQVVKLEKRLDDSLLYLRDALPEYSTFDVNMKPVVQEPNQKVPVNELRVKMKPKP WSKRWERPNFNIKGIRFDLCLTEQQMKEAQKWNQPWLEFDMREYDTSKIEAAIW

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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	MRPL19 mitochondrial ribosomal protein L19 [Homo sapiens]
Official Symbol	MRPL19
Synonyms	MRPL19; mitochondrial ribosomal protein L19; 39S ribosomal protein L19, mitochondrial; 39S ribosomal protein L19; KIAA0104; MRP L15; RLX1; RPML15; L15mt; 39S ribosomal protein L15, mitochondrial; L19mt; MRPL15; MRP-L15; MRP-L19; MGC20675;
Gene ID	9801
mRNA Refseq	NM_014763
Protein Refseq	NP_055578
MIM	611832

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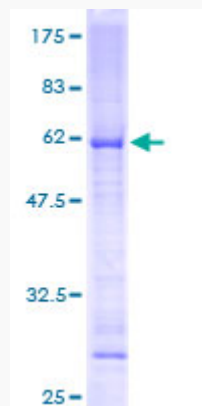
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UniProt ID

P49406

Quality Control

Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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