

Recombinant Full Length Human MRPL40 Protein, GST-tagged

Cat. No. MRPL40-6419HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPL40 full-length ORF (BAG53959.1, 1 a.a. - 206 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	206 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. Deletions in this gene may contribute to the etiology of velo-cardio-facial syndrome and DiGeorge syndrome. [provided by RefSeq]
Molecular Mass	50.9 kDa
AA Sequence	MTASVLRSISLALRPTSGLLGTWQTQLRETHQRASLLSFWELIPMRSEPLRKKKKVD PKKDQEAKERLKRKIRKLEKATQELIPIEDFITPLKFLDKARERPQVELTFEETERRAL

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LLKKWSLYKQQRKMERDTIRAMLEAQQEALQLESPKLHAEAIKRDPNLFPFEK
EGPHYTPPIPNYQPPEGRYNDITKVYTQVEFKR

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

MRPL40 mitochondrial ribosomal protein L40 [Homo sapiens]

Official Symbol

MRPL40

Synonyms

MRPL40; mitochondrial ribosomal protein L40; NLVCF, nuclear localization signal deleted in velocardiiofacial syndrome; 39S ribosomal protein L40, mitochondrial; MRP L22; L40mt; MRP-L40; up-regulated in metastasis; nuclear localization signal deleted in velocardiiofacial syndrome; nuclear localization signal containing protein deleted in velocardiiofacial syndrome; nuclear localization signal-containing protein deleted in velocardiiofacial syndrome; URIM; NLVCF; MRP-L22; MGC9400; FLJ41774;

Gene ID

64976

mRNA Refseq

NM_003776

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Protein Refseq	NP_003767
MIM	605089
UniProt ID	Q9NQ50

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