

Recombinant Human MRPL12 Protein, GST-tagged

Cat. No. MRPL12-5556H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPL12 full-length ORF (AAH02344, 1 a.a. - 198 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 which forms homodimers. In prokaryotic ribosomes, two L7/L12 dimers and one L10 protein form the L8 protein complex. [provided by RefSeq]
Molecular Mass	47.52 kDa
AA Sequence	MLPAAARPLWGPCGLRLAAAFRLARRQVPCVCAVRHMRSSGHQRCEALAGAPLDN APKEYPPKIQQLVQDIASLTLLLEISDLNELLKKTLLKIQDVGVLPMGGVMSGAVPAAAA QEAVEEDIPIAKERTHFTVRLTEAKPVDKVKLIKEIKNYIQGINLVQAKKLVESLPQEIK

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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

MRPL12 mitochondrial ribosomal protein L12 [Homo sapiens]

Official Symbol

MRPL12

Synonyms

MRPL12; mitochondrial ribosomal protein L12; RPML12; 39S ribosomal protein L12, mitochondrial; MRPL7; MRPL7/L12; MRP-L12; 5c5-2; L12mt; MRP-L31/34; MGC8610; FLJ60124;

Gene ID

6182

mRNA Refseq

NM_002949

Protein Refseq

NP_002940

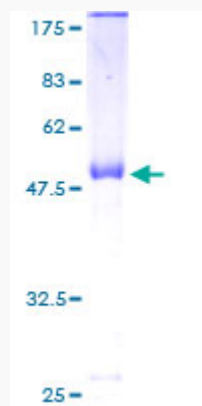
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UniProt ID**P52815****Quality Control****Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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