

Recombinant Human MRPL44 Protein, GST-tagged

Cat. No. MRPL44-5588H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPL44 full-length ORF (NP_075066.1, 1 a.a. - 332 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	63.9 kDa
AA Sequence	MASGLVRLQLQGHRCLLAPVAPKLVPPVRGVKKGFRAAFRFQKELERQRLLRCPPP PVRRSEKPNWDYHAEIQAFGHRQLQENFSLDLLKTAFTVNSCYIKSEEAKRQQLGIEKE AVLLNLKSNQELSEQGTSTFSQTCLTQFLEDEYPDMPTEGIKNLVDFLTGEEVVCHVA RNLAVEQLTLSEEFVPPPAVLQQTFFAVIGALLQSSGPERTALFIRDFLITQMTGKELF EMWKIINPMGLLVEELKKRNVSAPESTRQSGGTTALPLYFVGLYCDKKLIAEGPG

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ETVLVAEEEEARVALRKLYGFTENRRPWNYSKPKETLRAEKSITAS

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

MRPL44 mitochondrial ribosomal protein L44 [Homo sapiens (human)]

Official Symbol

MRPL44

Synonyms

MRPL44; mitochondrial ribosomal protein L44; L44MT; COXPD16; MRP-L44; 39S ribosomal protein L44, mitochondrial; mitochondrial large ribosomal subunit protein mL44; EC 3.1.26.-

Gene ID

65080

mRNA Refseq

NM_022915

Protein Refseq

NP_075066

MIM

611849

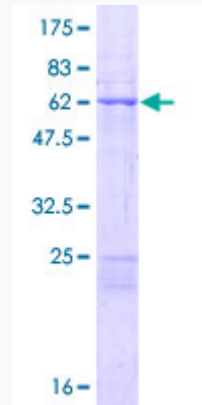
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UniProt ID

Q9H9J2

Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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