

Recombinant Human MRPL41 Protein, GST-tagged

Cat. No. MRPL41-5586H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MRPL41 full-length ORF (NP_115866.1, 1 a.a. - 137 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 that belongs to the YmL27 ribosomal protein family. [provided by RefSeq]
Molecular Mass	41.8 kDa
AA Sequence	MGVLA AAAARCLVRGADRMSKWT SKRGPR SFRGRKGRGAKGIGFLTSGWRFVQIKE MVPEFVV PDLTGFKLKPYVSYLAPESEETPLTAAQLFSEAVAPAIEKDFKDGTFDPD NLEKYGF EPTQEGKLFQLYPRNFLR
Applications	Enzyme-linked Immunoabsorbent Assay

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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.

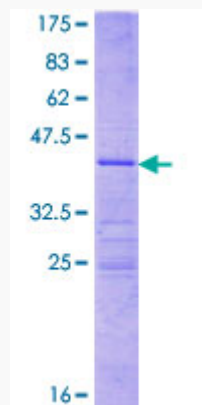
GENE INFORMATION

Gene Name	MRPL41 mitochondrial ribosomal protein L41 [Homo sapiens]
Official Symbol	MRPL41
Synonyms	BMRP; PIG3; MRPL27; RPML27; MRP-L27
Gene ID	64975
mRNA Refseq	NM_032477
Protein Refseq	NP_115866
MIM	611846
UniProt ID	Q8IXM3

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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