39s Ribosomal Protein L24, Mitochondrial (MRPL24) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	39S ribosomal protein L24, mitochondrial (Mrpl24), Recombinant Protein
Full Product Name	Recombinant Rat 39S ribosomal protein L24, mitochondrial (Mrpl24)
Product Gene Name	Mrpl24 recombinant protein
Product Synonym Gene Name	Mrpl24
Sequence	ASKATLSPHY RYGMSRPGSI ADKRKNPPWS RRRPVVVEPI SDEDWHLFCG DMVEILEGKD AGKQGKVVQV VRQRNWVVLE GLNTHYRYIG RTKDHRGTMI PSEAPLLHHQ VKLVDPVDRK PTEIQWRFTE AGERVRVSTR SGRIIPKPEF PRADGIVPET WTDGPKDTSV EDALERTYVP RLKTLEEDVM EAMGIQETRR FKKIYWY
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	25,001 Da
Sequence Positions	10-216, full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q66H47
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Mrpl24 recombinant protein	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 is more than twice the size of its E.coli counterpart (EcoL24). Sequence analysis identified two transcript variants that encode the same protein.
Other Notes	Small volumes of Mrpl24 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for Mrpl24 purchase	MBS1335848 is a recombinant protein targeting Mrpl24. Also known as Recombinant Rat 39S ribosomal protein L24, mitochondrial (Mrpl24). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Mrpl24. It may not necessarily be applicable to this product.

NCBI GI #	56090206

NCBI GeneID	295224
NCBI Accession #	NP_001007638.1
UniProt Primary Accession #	Q66H47
UniProt Related Accession #	Q66H47
GenBank Nucleotide #	NM_001007637.1
NCBI Official Full Name	39S ribosomal protein L24, mitochondrial
NCBI Official Synonym Full Names	mitochondrial ribosomal protein L24
NCBI Official Symbol	mrpl24
UniProt Protein Name	39S ribosomal protein L24, mitochondrial
Protein Family	39S ribosomal protein
UniProt Gene Name	Mrpl24
UniProt Synonym Gene Names	L24mt; MRP-L24
NCBI Protein Information	39S ribosomal protein L24, mitochondrial
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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