Coenzyme Q-Binding Protein COQ10 Homolog B, Mitochondrial (COQ10B) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	Coenzyme Q-binding protein COQ10 homolog B, mitochondrial (Coq10b), Recombinant Protein
Full Product Name	Recombinant Rat Coenzyme Q-binding protein COQ10 homolog B, mitochondrial (Coq10b)
Product Gene Name	Coq10b recombinant protein
Product Synonym Gene Name	Coq10b
Sequence	STTVTEARVR GSARNVRYLA PCGILMNRTL APWASVLPKE ICARTFFRIT TPLVNKRKEY SERRIIGYSM QEMYDVVSGM EDYKHFVPWC KKSDILSRRS GYCKTRLEIG FPPVLERYTS IVTLVKPHLV KASCTDGKLF NHLETVWRFS PGLPGYPRTC TLDFSISFEF RSLLHSQLAT LFFDEVVKQM VAAFERRACK LYGPETNIPR ELMLHEIHHT
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	27,601 Da
Sequence Positions	21-240, 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 Q5I0I9
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Coq10b recombinant protein	MBS1470577 is a recombinant protein targeting Coq10b. Also known as Recombinant Rat Coenzyme Q-binding protein COQ10 homolog B, mitochondrial (Coq10b). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of Coq10b 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Coq10b. It may not necessarily be applicable to this product.

NCBI GI #	57528275
NCBI GeneID	301416
NCBI Accession #	NP_001009671.1
UniProt Primary Accession #	Q5I0I9

UniProt Related Accession #	Q5I0I9
GenBank Nucleotide #	NM_001009671.1
NCBI Official Full Name	coenzyme Q-binding protein COQ10 homolog B, mitochondrial
NCBI Official Synonym Full Names	coenzyme Q10B
NCBI Official Symbol	Coq10b
NCBI Official Synonym Symbols	RGD1359509
UniProt Protein Name	Coenzyme Q-binding protein COQ10 homolog B, mitochondrial
Protein Family	Coenzyme Q-binding protein
UniProt Gene Name	Coq10b
NCBI Protein Information	coenzyme Q-binding protein COQ10 homolog B, mitochondrial
UniProt Comments for Coq10b	Required for the function of coenzyme Q in the respiratory chain. May serve as a chaperone or may be involved in the transport of Q6 from its site of synthesis to the catalytic sites of the respiratory complexes ().
Research Articles on Coq10b	**1.** Administration of simvastatin under the condition of nitric oxide-deficiency reduced the level of coenzyme Q9/10 in the heart and skeletal muscle.
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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