Type III Pantothenate Kinase (coaX) Mycobacterium Tuberculosis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Type III pantothenate kinase (coaX), Recombinant Protein
Full Product Name	Recombinant Mycobacterium tuberculosis Type III pantothenate kinase (coaX)
Product Gene Name	coaX recombinant protein
Sequence	MLLAIDVRNT HTVVGLLSGM KEHAKVVQQW RIRTESEVTA DELALTIDGL IGEDSERLTG TAALSTVPSV LHEVRIMLDQ YWPSVPHVLI EPGVRTGIPL LVDNPKEVGA DRIVNCLAAY DRFRKAAIVV DFGSSICVDV VSAKGEFLGG AIAPGVQVSS DAAAARSAAL RRVELARPRS VVGKNTVECM QAGAVFGFAG LVDGLVGRIR EDVSGFSVDH DVAIVATGHT APLLLPELHT VDHYDQHLTL QGLRLVFERN LEVQRGRLKT AR
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	29,305 Da
Sequence Positions	1-272, 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 A5U8S5
Species	Mycobacterium tuberculosis (strain 25177 / H37Ra)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for coaX recombinant protein	MBS1251392 is a recombinant protein targeting coaX. Also known as Recombinant Mycobacterium tuberculosis Type III pantothenate kinase (coaX). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of coaX 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 coaX. It may not necessarily be applicable to this product.

NCBI GI #	489514680
NCBI GeneID	32287412
NCBI Accession #	WP_003419517.1
UniProt Primary Accession #	A5U8S5
UniProt Related Accession #	Q7TW42
GenBank Nucleotide #	WP_003419517.1

NCBI Official Full Name	MULTISPECIES: type III pantothenate kinase
NCBI Official Symbol	BQ2027_MB3630C
UniProt Protein Name	Type III pantothenate kinase
UniProt Synonym Protein Names	PanK-III
Protein Family	Type III pantothenate kinase
UniProt Gene Name	coaX
NCBI Protein Information	hypothetical protein
UniProt Comments for coaX	Catalyzes the phosphorylation of pantothenate (Pan), the first step in CoA biosynthesis.
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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