Type III Pantothenate Kinase (coaX) Methylacidiphilum Infernorum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Type III pantothenate kinase (coaX), Recombinant Protein
Full Product Name	Recombinant Methylacidiphilum infernorum Type III pantothenate kinase (coaX)
Product Gene Name	coaX recombinant protein
Sequence	MILVDISNSV TKIGLFKEGE LRLLEKIPTA QISFEQTERI AQMYPLEDLI LCSVVPQKNL FFEKPFLGRL YQIDPTVPLG IPIHYPNPRE IGADRLANAV ALSLLYGYPA VAIDFGTATT FDIVDQKGAF CGGIIAPGLS MMTSYLHEKT ALLPLVEIKE PSKVIAQSTE EALRVGAVHG YRGMVQYLIE KIKEELGLLQ KFIVVATGGG SRLVCSQLKS VDVIDEMLTL KGIRLIGEIL IKRKRKDLPF PEGYPPMKGE SFPFSLFTHN Q
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	30,049 Da
Sequence Positions	1-271, 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 B3DWU5
Species	Methylacidiphilum infernorum (isolate V4) (Methylokorus infernorum (strain V4))
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for coaX recombinant protein	MBS1121956 is a recombinant protein targeting coaX. Also known as Recombinant Methylacidiphilum infernorum 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 #	501440591
NCBI Accession #	WP_012464040.1
UniProt Primary Accession #	B3DWU5
GenBank Nucleotide #	WP_012464040.1
NCBI Official Full Name	type III pantothenate kinase
UniProt Protein Name	Type III pantothenate kinase

UniProt Synonym Protein Names	PanK-III
Protein Family	Type III pantothenate kinase
UniProt Gene Name	coaX
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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