Carnitinyl-Coa Dehydratase (caiD) Salmonella Schwarzengrund Recombinant Protein

PRODUCT OVERVIEW

Product Name	Carnitinyl-CoA dehydratase (caiD), Recombinant Protein
Full Product Name	Recombinant Salmonella schwarzengrund Carnitinyl-CoA dehydratase (caiD)
Product Gene Name	caiD recombinant protein
Sequence	MSESLHLTRN GPILEITLDR PKANAIDAKT SFAMGEAFLN FRDDPELRVA IITGGGEKFF SAGWDLKAAA EGEAPDADFG PGGFAGLTEI FDLDKPVIAA VNGYAFGGGF ELALAADFIV CAENASFALP EAKLGIVPDS GGVLRLPKLL PPAIVNEMVM TGRRMSAEEA LRWGVVNRVV SQSELMESAR ELAQQLVNSA PLAIAALKEI YRATSEMPVE EGYRYIRSGV LKHYPSVLHS EDALEGPQAF AEKRDPVWKG R
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	28,106 Da
Sequence Positions	1-261, Full length
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 B4TWR3
Species	Salmonella schwarzengrund (strain CVM19633)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for caiD recombinant protein	MBS1254092 is a recombinant protein targeting caiD. Also known as Recombinant Salmonella schwarzengrund Carnitinyl-CoA dehydratase (caiD). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of caiD 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 caiD. It may not necessarily be applicable to this product.

NCBI GI #	445926530
NCBI Accession #	WP_000004385.1
UniProt Primary Accession #	B4TWR3
GenBank Nucleotide #	WP_000004385.1
NCBI Official Full Name	carnitinyl-CoA dehydratase
UniProt Protein Name	Carnitinyl-CoA dehydratase

UniProt Synonym Protein Names	Crotonobetainyl-CoA hydratase
Protein Family	Carnitinyl-CoA dehydratase
UniProt Gene Name	caiD
UniProt Comments for caiD	Catalyzes the reversible dehydration of L-carnitinyl-CoA to crotonobetainyl-CoA.
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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