Carnitine Operon Protein Caie (caiE) Escherichia Coli O8 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Carnitine operon protein CaiE (caiE), Recombinant Protein
Full Product Name	Recombinant Escherichia coli O8 Carnitine operon protein CaiE (caiE)
Product Gene Name	caiE recombinant protein
Sequence	MSYYAFEGLI PVVHPTAFVH PSAVLIGDVI VGAGVYIGPL ASLRGDYGRL IVQAGANIQD GCIMHGYCDT DTIVGENGHI GHGAILHGCV IGRDALVGMN SVIMDGAVIG EESIVAAMSF VKAGFHGEKR QLLMGTPARA VRSVSDDELH WKRLNTKEYQ DLVGRCHASL HETQPLRQME ENRPRLQGTT DVTPKR
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	21,156 Da
Sequence Positions	1-196, 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 B7M0D2
Species	Escherichia coli O8 (strain IAI1)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for caiE recombinant protein	MBS1247347 is a recombinant protein targeting caiE. Also known as Recombinant Escherichia coli O8 Carnitine operon protein CaiE (caiE). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of caiE 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 caiE. It may not necessarily be applicable to this product.

NCBI GI #	446045021
NCBI Accession #	WP_000122876.1
UniProt Primary Accession #	B7M0D2
GenBank Nucleotide #	WP_000122876.1
NCBI Official Full Name	MULTISPECIES: carnitine operon protein CaiE
UniProt Protein Name	Carnitine operon protein CaiE
Protein Family	Carnitine operon protein

UniProt Gene Name	caiE
UniProt Comments for caiE	Overproduction of CaiE stimulates the activity of CaiB and CaiD.
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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