Acetate Kinase (ackA) Bacillus Cereus Subsp. Cytotoxis Recombinant Protein

PRODUCT OVERVIEW

Product Name	Acetate kinase (ackA), Recombinant Protein
Full Product Name	Recombinant Bacillus cereus subsp. cytotoxis Acetate kinase (ackA)
Product Gene Name	ackA recombinant protein
Sequence	MSKIIAINAG SSSLKFQLFE MPSEKVLTKG LVERIGLEDS IFTITVNGEK QKEITNIPDH AVAVNMLLNK LTENGIVKSL DEISGIGHRV VHGGEKFADS VLITDQVLAD IEDLSELAPL HNPANIVGIK AFQEVLPNVP AVAVFDTAFH QTMPESAYLY SLPYEYYEKY GIRKYGFHGT SHKYVTERAA ELLGRPLESL RLLSCHLGNG ASIAAVEGGK SIDTSMGFTP LAGVTMGTRS GNIDPALIPY IMEKTGQSVE EVVNVLNKKS GMLGLTGYSS DLRDIIAKEE EGDHRAKVAL DVFVSRIHKY IGSYAARMKG VDAIIFTAGI GENSAIIRER VLEGLEYMGV YFDAKRNNVF GEEAFISFPH SPVKIIVIPT DEEVMIARDV VRLGNVG
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	43,303 Da
Sequence Positions	1-397, 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 A7GTR9
Species	Bacillus cereus subsp. cytotoxis (strain NVH 391-98)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ackA recombinant protein	MBS1088657 is a recombinant protein targeting ackA. Also known as Recombinant Bacillus cereus subsp. cytotoxis Acetate kinase (ackA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ackA 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 ackA. It may not necessarily be applicable to this product.

NCBI GI #	501043919
NCBI Accession #	WP_012095768.1
UniProt Primary Accession #	A7GTR9
GenBank Nucleotide #	WP_012095768.1
NCBI Official Full Name	acetate kinase

UniProt Protein Name	Acetate kinase
UniProt Synonym Protein Names	Acetokinase
Protein Family	Acetate kinase
UniProt Gene Name	ackA
UniProt Comments for ackA	Catalyzes the formation of acetyl phosphate from acetate and ATP. Can also catalyze the reverse reaction.
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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