Acetate Kinase (ackA) Streptococcus Pyogenes Serotype M12 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Acetate kinase (ackA), Recombinant Protein
Full Product Name	Recombinant Streptococcus pyogenes serotype M12 Acetate kinase (ackA)
Product Gene Name	ackA recombinant protein
Product Synonym Gene Name	ackA
Sequence	MSKTIAINAG SSSLKWQLYQ MPEEEVLAQG IIERIGLKDS ISTVKYDGKK EEQILDIHDH TEAVKILLND LIHFGIIAAY DEITGVGHRV VAGGELFKES VVVNDKVLEQ IEELSVLAPL HNPGAAAGIR AFRDILPDIT SVCVFDTSFH TSMAKHTYLY PIPQKYYTDY KVRKYGAHGT SHKYVAQEAA KMLGRPLEEL KLITAHIGNG VSITANYHGK SVDTSMGFTP LAGPMMGTRS GDIDPAIIPY LIEQDPELKD AADVVNMLNK KSGLSGVSGI SSDMRDIEAG LQEDNPDAVL AYNIFIDRIK KCIGQYFAVL NGADALVFTA GMGENAPLMR QDVIGGLTWF GMDIDPEKNV FGYRGDISTP ESKVKVLVIS TDEELCIARD VERLKNTK
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	43,605 Da
Sequence Positions	1-398, 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 Q1JE09
Species	Streptococcus pyogenes serotype M12 (strain MGAS2096)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ackA recombinant protein	MBS1376815 is a recombinant protein targeting ackA. Also known as Recombinant Streptococcus pyogenes serotype M12 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 #	489077848
NCBI Accession #	WP_002987791.1
UniProt Primary Accession #	Q1JE09
GenBank Nucleotide #	WP_002987791.1

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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