Acetylglutamate Kinase (argB) Streptococcus Mutans Recombinant Protein

PRODUCT OVERVIEW

Product Name	Acetylglutamate kinase (argB), Recombinant Protein
Full Product Name	Recombinant Streptococcus mutans Acetylglutamate kinase (argB)
Product Gene Name	argB recombinant protein
Product Synonym Gene Name	argB
Sequence	MKDIIVIKIG GVASQQLSGD FLSQIKNWQD AGKQLVIVHG GGFAINKLME ENQVPVKKIN GLRVTSKDDM VLVSHALLDL VGKNLQEKLR QAGVSCQQLK SDIKHVVAAD YLDKDTYGYV GDVTHINKRV IEEFLENRQI PILASLGYSK EGDMLNINAD YLATAVAVAL AADKLILMTN VKGVLENGAV LEKITSHQVQ EKIDTAVITA GMIPKIESAA KTVAAGVGQV LIGDNLLTGT LITAD
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	26,312 Da
Sequence Positions	1-245, 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 Q8DV44
Species	Streptococcus mutans
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for argB recombinant protein	MBS1337089 is a recombinant protein targeting argB. Also known as Recombinant Streptococcus mutans Acetylglutamate kinase (argB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of argB 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 argB. It may not necessarily be applicable to this product.

NCBI GI #	24379138
NCBI GeneID	1029524
NCBI Accession #	NP_721093.1
UniProt Primary Accession #	Q8DV44
UniProt Related Accession #	Q8DV44

GenBank Nucleotide #	NC_004350.2
NCBI Official Full Name	acetylglutamate kinase
NCBI Official Symbol	argB
UniProt Protein Name	Acetylglutamate kinase
UniProt Synonym Protein Names	N-acetyl-L-glutamate 5-phosphotransferase
Protein Family	Acetylglutamate/acetylaminoadipate kinase
UniProt Gene Name	argB
UniProt Synonym Gene Names	NAGK
NCBI Protein Information	acetylglutamate kinase
UniProt Comments for argB	Catalyzes the ATP-dependent phosphorylation of N-acetyl-L-glutamate.
Research Articles on argB	**1.** crystallization of N-acetylglutamate kinase and X-ray crystallographic analysis to 2.06A
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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