Adenylate Kinase (adk) Chromobacterium Violaceum Recombinant Protein

PRODUCT OVERVIEW

Product Name	Adenylate kinase (adk), Recombinant Protein
Full Product Name	Recombinant Chromobacterium violaceum Adenylate kinase (adk)
Product Gene Name	adk recombinant protein
Product Synonym Gene Name	adk; CV_3343
Product Synonym Names	Adenylate kinase; AK; EC=2.7.4.3; ATP-AMP transphosphorylase
Sequence	MRLILLGAPG AGKGTQANYI REKFGIPQIS TGDMLRAAVK AGTPLGLEAK AIMDAGGLVR DDIIIGLVKE RIAQDDCANG FLFDGFPRTI PQAEAMIAAG VDIDYVVEID VPDAAIVERM AGRRVHLASG RTYHVTFNPP KAAGKDDVTG EDLVQRDDDK EETVKKRLAV YHEQTAVLVG FYGKLAESGS AKAPKYVKID GTRAVETVRD DVLKALGA
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	23,321 Da
Sequence Positions	1-218aa; 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 Q7NSS7
Species	Chromobacterium violaceum (strain 12472 / DSM 30191 / JCM 1249 / NBRC 12614 / NCIMB 9131 / 9757)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for adk recombinant protein	MBS1323963 is a recombinant protein targeting adk. Also known as Recombinant Chromobacterium violaceum Adenylate kinase (adk). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of adk 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 adk. It may not necessarily be applicable to this product.

NCBI GI #	34498798
NCBI GeneID	2547821
NCBI Accession #	NP_903013.1
UniProt Primary Accession #	Q7NSS7

UniProt Related Accession #	Q7NSS7
GenBank Nucleotide #	NC_005085.1
NCBI Official Full Name	adenylate kinase
NCBI Official Symbol	adk
UniProt Protein Name	Adenylate kinase
UniProt Synonym Protein Names	ATP-AMP transphosphorylase; ATP:AMP phosphotransferase; Adenylate monophosphate kinase
UniProt Gene Name	adk
UniProt Synonym Gene Names	AK
UniProt Entry Name	KAD_CHRVO
NCBI Protein Information	adenylate kinase
UniProt Comments for adk	Catalyzes the reversible transfer of the terminal phosphate group between ATP and AMP. Plays an important role in cellular energy homeostasis and in adenine nucleotide metabolism.
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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