Adenylate Kinase (adk) Thermus Thermophilus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Adenylate kinase (adk), Recombinant Protein
Full Product Name	Recombinant Thermus thermophilus Adenylate kinase (adk)
Product Gene Name	adk recombinant protein
Product Synonym Gene Name	adk
Sequence	MDVGQAVIFL GPPGAGKGTQ ASRLAQELGF KKLSTGDILR DHVARGTPLG ERVRPIMERG DLVPDDLILE LIREELAERV IFDGFPRTLA QAEALDRLLS ETGTRLLGVV LVEVPEEELV RRILRRAELE GRSDDNEETV RRRLEVYREK TEPLVGYYEA RGVLKRVDGL GTPDEVYARI RAALGI
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	20,754 Da
Sequence Positions	1-186, 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 Q5SHQ9
Species	Thermus thermophilus (strain HB8 / 27634 / DSM 579)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for adk recombinant protein	MBS1477795 is a recombinant protein targeting adk. Also known as Recombinant Thermus thermophilus 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 #	499487061
NCBI Accession #	WP_011173701.1
UniProt Primary Accession #	Q5SHQ9
GenBank Nucleotide #	WP_011173701.1
NCBI Official Full Name	adenylate kinase
UniProt Protein Name	Adenylate kinase

UniProt Synonym Protein Names	ATP-AMP transphosphorylase
UniProt Gene Name	adk
UniProt Synonym Gene Names	AK
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.
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