3-Deoxy-D-Manno-Octulosonic Acid Kinase (kdkA) Xanthomonas Campestris Pv. Campestris Recombinant Protein

PRODUCT OVERVIEW

Product Name	3-deoxy-D-manno-octulosonic acid kinase (kdkA), Recombinant Protein
Full Product Name	Recombinant Xanthomonas campestris pv. campestris 3-deoxy-D-manno-octulosonic acid kinase (kdkA)
Product Gene Name	kdkA recombinant protein
Sequence	MVSFDATEAL TPYREGRGYG AILFDRERLR QADAGLFSPQ RWGDRARPVD EGGRGGAWFV DAPFGHSVLR QYRRGGMAAR VSRDQYLWKG AGRTRSFAEF RLMRELLKRK LPVPRPLAAC YLREGLGYRA ALLMERLENV RSLADHAQVA GRGAPWEDTG RLIARFHRAG LDHADLNAHN ILFDAGGHGW LIDFDRGVLR IPATRWRERN LARLHRSLLK LRGNRTREDV DKDYERLHRA YELAWGRGY
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	28,651 Da
Sequence Positions	1-249, 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 B0RTE2
Species	Xanthomonas campestris pv. campestris (strain B100)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for kdkA recombinant protein	MBS1162541 is a recombinant protein targeting kdkA. Also known as Recombinant Xanthomonas campestris pv. campestris 3-deoxy-D-manno-octulosonic acid kinase (kdkA). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of kdkA 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 kdkA. It may not necessarily be applicable to this product.

NCBI GI #	226722910
NCBI Accession #	B0RTE2.1
UniProt Primary Accession #	B0RTE2
NCBI Official Full Name	3-deoxy-D-manno-octulosonic acid kinase
UniProt Protein Name	3-deoxy-D-manno-octulosonic acid kinase

Protein Family	3-deoxy-D-manno-octulosonic acid kinase
UniProt Gene Name	kdkA
UniProt Synonym Gene Names	Kdo kinase
UniProt Comments for kdkA	Catalyzes the ATP-dependent phosphorylation of the 3-deoxy-D-manno-octulosonic acid (Kdo) residue in Kdo-lipid IV(A) at the 4-OH position.
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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