3-Deoxy-Manno-Octulosonate Cytidylyltransferase 2 (kdsB2) Burkholderia Ambifaria Recombinant Protein

PRODUCT OVERVIEW

Product Name	3-deoxy-manno-octulosonate cytidylyltransferase 2 (kdsB2), Recombinant Protein
Full Product Name	Recombinant Burkholderia ambifaria 3-deoxy-manno-octulosonate cytidylyltransferase 2 (kdsB2)
Product Gene Name	kdsB2 recombinant protein
Product Synonym Gene Name	kdsB2
Sequence	MTSFNDGRTV RVVIPARYGS TRLPGKPLVD LDGEPMIVRV HARVRRALPD ADIVVAIDDA RIAEVLDARG IRFAMTDTGH ASGTDRAAEV ARVSGWPDTD AVLNVQGDEP LVPTALLQAF AGFCGAAPDL GVATVACPID EVALLDEPAI VKVVVDHRGR ALYFSRAAIP FCRDGRPADS AGSHGLFLRH IGLYGYANAT LQALASAAPC ELEQLEKLEQ LRALWLGMPI DVMRWPDAPP AGIDTPDDVA RVVSLLKRQT HDATEPY
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	28,659 Da
Sequence Positions	1-267, 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 Q0B295
Species	Burkholderia ambifaria (strain BAA-244 / AMMD) (Burkholderia cepacia (strain AMMD))
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for kdsB2 recombinant protein	MBS1329101 is a recombinant protein targeting kdsB2. Also known as Recombinant Burkholderia ambifaria 3-deoxy-manno-octulosonate cytidylyltransferase 2 (kdsB2). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of kdsB2 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 kdsB2. It may not necessarily be applicable to this product.

NCBI GI #	499980341
NCBI Accession #	WP_011661059.1
UniProt Primary Accession #	Q0B295
GenBank Nucleotide #	WP_011661059.1

NCBI Official Full Name	3-deoxy-manno-octulosonate cytidylyltransferase
UniProt Protein Name	3-deoxy-manno-octulosonate cytidylyltransferase 2
UniProt Synonym Protein Names	CMP-2-keto-3-deoxyoctulosonic acid synthase 2
Protein Family	3-deoxy-manno-octulosonate cytidylyltransferase
UniProt Gene Name	kdsB2
UniProt Synonym Gene Names	CKS 2; CMP-KDO synthase 2
UniProt Comments for kdsB2	Activates KDO (a required 8-carbon sugar) for incorporation into bacterial lipopolysaccharide in Gram-negative bacteria.
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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