3-Deoxy-Manno-Octulosonate Cytidylyltransferase (kdsB) Azorhizobium Caulinodans Recombinant Protein

PRODUCT OVERVIEW

Product Name	3-deoxy-manno-octulosonate cytidylyltransferase (kdsB), Recombinant Protein
Full Product Name	Recombinant Azorhizobium caulinodans 3-deoxy-manno-octulosonate cytidylyltransferase (kdsB)
Product Gene Name	kdsB recombinant protein
Sequence	MAFSASDVLV LIPARLAASR LPGKPLADVG GRPMIVEVAR RAVAAGIGRV AVATDAVEIA DAVRAAGFEA VMTRADHPSG SDRIFEALGV LDPDGAVQVV VNVQGDLPTI APETIRAALV PLEEGPADIA TLTAVITEEG ERTDPNVVKV VGTPIGENRL RALYFTRATA PTGEGPLYHH IGLYAYRRAA LERFVSLPPS PLEKRERLEQ LRALEAGMRI DVAVVDAVPL GVDTPEHLER ARALLASNDN
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	26,436 Da
Sequence Positions	1-250, 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 A8IGU8
Species	Azorhizobium caulinodans (strain 43989 / DSM 5975 / ORS 571)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for kdsB recombinant protein	MBS1226338 is a recombinant protein targeting kdsB. Also known as Recombinant Azorhizobium caulinodans 3-deoxy-manno-octulosonate cytidylyltransferase (kdsB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of kdsB 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 kdsB. It may not necessarily be applicable to this product.

NCBI GI #	762508176
NCBI Accession #	WP_043879874.1
UniProt Primary Accession #	A8IGU8
GenBank Nucleotide #	WP_043879874.1
NCBI Official Full Name	3-deoxy-manno-octulosonate cytidylyltransferase

UniProt Protein Name	3-deoxy-manno-octulosonate cytidylyltransferase
UniProt Synonym Protein Names	CMP-2-keto-3-deoxyoctulosonic acid synthase
Protein Family	3-deoxy-manno-octulosonate cytidylyltransferase
UniProt Gene Name	kdsB
UniProt Synonym Gene Names	CKS; CMP-KDO synthase
UniProt Comments for kdsB	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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