3-Deoxy-D-Manno-Octulosonate 8-Phosphate Phosphatase Kdsc (kdsC) Shigella Flexneri Recombinant Protein

PRODUCT OVERVIEW

Product Name	3-deoxy-D-manno-octulosonate 8-phosphate phosphatase KdsC (kdsC), Recombinant Protein
Full Product Name	Recombinant Shigella flexneri 3-deoxy-D-manno-octulosonate 8-phosphate phosphatase KdsC (kdsC)
Product Gene Name	kdsC recombinant protein
Sequence	MSKAGASLAT CYGPVSADVM AKAENIRLLI LDVDGVLSDG LIYMGNNGEE LKAFNVRDGY GIRCALTSDI EVAIITGRKA KLVEDRCATL GITHLYQGQS NKLIAFSDLL EKLAIAPENV AYVGDDLIDW PVMEKVGLSV AVADAHPLLI PRADYVTRIA GGRGAVREVC DLLLLAQGKL DEAKGQSI
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	20,015 Da
Sequence Positions	1-188, 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 P67654
Species	Shigella flexneri
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for kdsC recombinant protein	MBS1226600 is a recombinant protein targeting kdsC. Also known as Recombinant Shigella flexneri 3-deoxy-D-manno-octulosonate 8-phosphate phosphatase KdsC (kdsC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of kdsC 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 kdsC. It may not necessarily be applicable to this product.

NCBI GI #	24114487
NCBI GeneID	1027121
NCBI Accession #	NP_708997.1
UniProt Primary Accession #	P67654
UniProt Secondary Accession #	Q83JF3; Q8FD72

GenBank Nucleotide #	NC_004337.2
NCBI Official Full Name	3-deoxy-D-manno-octulosonate 8-phosphate phosphatase KdsC
NCBI Official Symbol	yrbI
UniProt Protein Name	3-deoxy-D-manno-octulosonate 8-phosphate phosphatase KdsC
UniProt Synonym Protein Names	KDO 8-P phosphatase
Protein Family	3-deoxy-D-manno-octulosonate 8-phosphate phosphatase
UniProt Gene Name	kdsC
NCBI Protein Information	3-deoxy-D-manno-octulosonate 8-phosphate phosphatase KdsC
UniProt Comments for kdsC	Involved in the biosynthesis of lipopolysaccharides (LPSs). Catalyzes the hydrolysis of 3-deoxy-D-manno-octulosonate 8-phosphate (KDO 8-P) to 3-deoxy-D-manno-octulosonate (KDO) and inorganic phosphate ().
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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