5-Dehydro-2-Deoxygluconokinase (iolC) Bacillus Clausii Recombinant Protein

PRODUCT OVERVIEW

Product Name	5-dehydro-2-deoxygluconokinase (iolC), Recombinant Protein
Full Product Name	Recombinant Bacillus clausii 5-dehydro-2-deoxygluconokinase (iolC)
Product Gene Name	iolC recombinant protein
Product Synonym Gene Name	iolC
Sequence	MGIQFQEGKQ FDVIALGRAC IDLNAAEYNR PMEETRSFTK YVGGSPANIA IGSAKLGLKV GFVGKIPDDQ HGRFISSYMR EAGVDTSQLV IDREGHKAGL TFTEILSPEE CSILMYREKA ADLYLSPDEI DAGYVRSAKV LLISGTALAQ SPSREAALKA VSLAKAAGTK VVFELDYRPY TWSSREETSV YYTLLAGMAH IVIGTREEYD IMEGASASGN EQTAKMLFAK EPELVVIKHG VDGSYAYLPS GETFRAGVYK TNVLKTFGAG DSYASAFLYG LLRGYDIDQA LRFGSASASI VVSKHSSSEA MPTLSEIKAL VEEQHV
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	35,352 Da
Sequence Positions	1-326, Full length
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 Q5WKY9
Species	Bacillus clausii (strain KSM-K16)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for iolC recombinant protein	MBS1386354 is a recombinant protein targeting iolC. Also known as Recombinant Bacillus clausii 5-dehydro-2-deoxygluconokinase (iolC). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of iolC 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 iolC. It may not necessarily be applicable to this product.

NCBI GI #	499564502
NCBI Accession #	WP_011245285.1
UniProt Primary Accession #	Q5WKY9
GenBank Nucleotide #	WP_011245285.1
NCBI Official Full Name	MULTISPECIES: 5-dehydro-2-deoxygluconokinase

UniProt Protein Name	5-dehydro-2-deoxygluconokinase
UniProt Synonym Protein Names	2-deoxy-5-keto-D-gluconate kinase
Protein Family	5-dehydro-2-deoxygluconokinase
UniProt Gene Name	iolC
UniProt Synonym Gene Names	DKG kinase
UniProt Comments for iolC	Catalyzes the phosphorylation of 5-dehydro-2-deoxy-D-gluconate (2-deoxy-5-keto-D-gluconate or DKG) to 6-phospho-5-dehydro-2-deoxy-D-gluconate (DKGP).
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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