Inosose Dehydratase (iolE) Geobacillus Kaustophilus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Inosose dehydratase (iolE), Recombinant Protein
Full Product Name	Recombinant Geobacillus kaustophilus Inosose dehydratase (iolE)
Product Gene Name	iolE recombinant protein
Product Synonym Gene Name	iolE
Sequence	MEKTVNPFRI GIAPISWVND DIPGLGDHYT QDQVLSEMAE LGYVATEMGR LFSQDPPSLR AKLNQYGIEL ASKFIGVLFS DRSRLEEELK TFRSWAEYLH DMGCKYAIVC EMGGSMHWDP RRAPEEKTIQ RLTDSEWESL VDGLHRAAHI CQELGMKLVY HFHAGTVVET AEEIDRLMEL TDPNLVHLLY DTGHALYGGY DPVELLHRYA DRIQYVHLKD VRHDVLELVR REQLDFRTAV LRGMFTVPGD GCIDFVPIFA KLIEMDYNGW IIVEAEQDPA VAHPYTYAKM AKEYIDRLVH HLLAAQKR
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	35,448 Da
Sequence Positions	1-308, 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 Q5KYR1
Species	Geobacillus kaustophilus (strain HTA426)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for iolE recombinant protein	MBS1353550 is a recombinant protein targeting iolE. Also known as Recombinant Geobacillus kaustophilus Inosose dehydratase (iolE). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of iolE 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 iolE. It may not necessarily be applicable to this product.

NCBI GI #	499550597
NCBI Accession #	WP_011231380.1
UniProt Primary Accession #	Q5KYR1
GenBank Nucleotide #	WP_011231380.1
NCBI Official Full Name	MULTISPECIES: myo-inosose-2 dehydratase

UniProt Protein Name	Inosose dehydratase
UniProt Synonym Protein Names	2-keto-myo-inositol dehydratase
Protein Family	Inosose dehydratase
UniProt Gene Name	iolE
UniProt Synonym Gene Names	2KMI dehydratase
UniProt Comments for iolE	Catalyzes the dehydration of inosose (2-keto-myo-inositol, 2KMI or 2,4,6/3,5-pentahydroxycyclohexanone) to 3D-(3,5/4)-trihydroxycyclohexane-1,2-dione (D-2,3-diketo-4-deoxy-epi-inositol).
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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