3d- (3,5/4)-Trihydroxycyclohexane-1,2-Dione Hydrolase (iolD) Clostridium Perfringens Recombinant Protein

PRODUCT OVERVIEW

Product Name	3D- (3,5/4)-trihydroxycyclohexane-1,2-dione hydrolase (iolD), Recombinant Protein
Full Product Name	Recombinant Clostridium perfringens 3D- (3,5/4)-trihydroxycyclohexane-1,2-dione hydrolase (iolD), partial
Product Gene Name	iolD recombinant protein
Product Synonym Gene Name	iolD
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	70,398 Da
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 Q8XP76
Species	Clostridium perfringens
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for iolD recombinant protein	MBS1425035 is a recombinant protein targeting iolD. Also known as Recombinant Clostridium perfringens 3D-(3,5/4)-trihydroxycyclohexane-1,2-dione hydrolase (iolD), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of iolD 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 iolD. It may not necessarily be applicable to this product.

NCBI GI #	489565539
NCBI Accession #	WP_003470047.1
UniProt Primary Accession #	Q8XP76
GenBank Nucleotide #	WP_003470047.1
NCBI Official Full Name	3D-(3,5/4)-trihydroxycyclohexane-1,2-dione acylhydrolase (decyclizing)
UniProt Protein Name	3D-(3,5/4)-trihydroxycyclohexane-1,2-dione hydrolase
Protein Family	3D-(3,5/4)-trihydroxycyclohexane-1,2-dione hydrolase
UniProt Gene Name	iolD

UniProt Synonym Gene Names	THcHDO hydrolase
UniProt Comments for iolD	Involved in the cleavage of the C1-C2 bond of 3D-(3,5/4)-trihydroxycyclohexane-1,2-dione (THcHDO) to yield 5-deoxy-glucuronate (5DG).
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