



Recombinant *Bacillus amyloliquefaciens* Inosose dehydratase (ioIE)

Product Code	CSB-MP419851BQD
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	A7ZAH7
Product Type	Recombinant Protein
Immunogen Species	<i>Bacillus velezensis</i> (strain DSM 23117 / BGSC 10A6 / FZB42) (<i>Bacillus amyloliquefaciens</i> subsp. <i>plantarum</i>)
Purity	≥85% (SDS-PAGE)
Sequence	MGKQDILWGI APIGWRNDDM PEIGAGNTLQ HLLSDIVVAG FQGTEVGGFF PEPSVLNKEL ALRNLRIAGK WFSSFIIQDG IEKMAEQFTE HCDYLQKVG DVAIVSEQTY SVQGLDIDVF KEKPHFSDEE WDTLCQGLNR LGKIAGEYGL DLTFHHHLGT GVQTAEEVDR LMDGTDPRYV HLLYDTGHAY ISGDYMTIL NKHMDRIRHV HFKDARFDIM ERCRQEGKSF RQSFLQGIFT VPGDGCIDFT EVYRTLVRHD YSGWIVIEAE QDPAVANPLE YALIARKYID SELLDPAN
Source	Mammalian cell
Target Names	ioIE
Protein Names	Recommended name: Inosose dehydratase EC= 4.2.1.44 Alternative name(s): 2-keto-myo-inositol dehydratase Short name= 2KMI dehydratase
Expression Region	1-298
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.