



Recombinant *Bacillus licheniformis* Inosose dehydratase (ioIE)

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|--------------------------|---|
| Product Code | CSB-EP717664BQU |
| Abbreviation | ioIE |
| 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. | Q65D04 |
| Product Type | Recombinant Protein |
| Immunogen Species | <i>Bacillus licheniformis</i> (strain ATCC 14580 / DSM 13 / JCM 2505 / NBRC 12200 / NCIMB 9375 / NRRL NRS-1264 / Gibson 46) |
| Purity | ≥85% (SDS-PAGE) |
| Sequence | MGKTQILWGI APIGWRNDDI PEIGAGNTLQ HLLSDIVVAG FQGTEVGGFF PEPAILNKEI ELRNLRIAGK WFSSYIRDG IEEAAKEFAA HCQYLKDVHA DVAVVSEQTY SVQGLDKNVF KEKPYFTDEE WQRLFEGLNH LGEIAGRYGL KLVYHHHLGT GVQTEEEVDR LMAGTDPALV HLLYDTGHAY ISDGNMYNIL EKHIDRIRHV HFKDARLKIM EKCKREGNSF QQAFLQGMFT VPGDGCIDFR EVYQTLKKG YSGWIVVEAE QDPDVANPLE YALIARKYID RHLLNVPATN |
| Source | <i>E.coli</i> |
| 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 | 1-300 |
| 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. |