



Recombinant *Bacillus licheniformis* Methylmalonate semialdehyde dehydrogenase [acylating] 1 (ioIA1)

Product Code	CSB-EP731195BQU-B
Abbreviation	ioIA1
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.	Q65IX1
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	MITTNAKKMM NHIDGEWVNS LGAEESEEVN PANGNVIAYA PLSVRADVDR AVQAAKHAYQ TWSLVPPVNR ARLLYKYLQL LQEQKEQLAD IITTENGKTL KDARGEVQRG IEVVELATAT PTLMMGESLP AIAGGIDGSI WRYPLGVVAG ITPFNFPMMV PLWMFPLAIA CGNTFVLKPS ERTPILAGKL VELFYEAGFP KGVNLNVHGG KDVVNGILEN DDIKAVSFVG SEPVAKYVYQ TGTANGKRVQ ALAGAKNHAI VMPDCHLEKT VQGIIGAAGF SSGERCMACS VAAVVDDIAD DFMEMLVSET RKLKTGDGRS EDHFVGPLIR EVHKQRVLDY IDSGIKEGAA LAVDGRNPDV REGYFVGATI FDHVTPEMKI WQDEIFAPVL SVVRVQDLDE GIELANQSKF ANGAVIYTSS GKSAQQFRDK IDAGMIGVNV NVPAPMAFFS FAGNKASFYG DLGTNGKDG V QFYTRKKVVT ERWF
Source	<i>E.coli</i>
Target Names	ioIA1
Protein Names	Recommended name: Methylmalonate semialdehyde dehydrogenase [acylating] 1 Short name= MMSA dehydrogenase 1 Short name= MMSDH 1 Short name= MSDH 1 EC= 1.2.1.27 Alternative name(s): Malonate semialdehyde dehydrogenase [ac
Expression Region	1-484
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

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