



Recombinant Bacillus subtilis Isocitrate dehydrogenase [NADP] (icd)

Product Code	CSB-EP010990BRJ-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P39126
Product Type	Recombinant Protein
Immunogen Species	Bacillus subtilis (strain 168)
Purity	>85% (SDS-PAGE)
Sequence	MAQGEKITVS NGVLNVPNNP IIPFIEGDGT GPDIWNAASK VLEAAVEKAY KGEKKITWKE VYAGEKAYNK TGEWLP AETL DVIREYFIAI KGPLTTPVGG GIRSLNVALR QELDLFVCLR PVRYFTGVPS PVKRPEDTDM VIFRENTEDI YAGIEYAKGS EEVQKLISFL QNELNVNKIR FPETSGIGIK PVSEEGTSRL VRAAIDY AIE HGRKSVTLVH KGNIMKFTEG AFKNWGYELA EKEYGDKVFT WAQYDRI AEE QGKDAANKAQ SEAEAAGKII IKDSIADIFL QQILTRPNEF DVVATMNLNG DYISDALAAQ VGGIGIAPGA NINYETGHAI FEATHGTAPK YAGLDKVNPS SVILSGVLLL EHLGWNEAAD LVIKSMEKTI ASKVVTYDFA RLMDGATEVK CSEFGEELIK NMD
Source	E.coli
Target Names	icd
Protein Names	Recommended name: Isocitrate dehydrogenase [NADP] Short name= IDH EC= 1.1.1.42 Alternative name(s): IDP NADP(+)-specific ICDH Oxalosuccinate decarboxylase
Expression Region	1-423
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.