



Recombinant Thermoanaerobacter pseudethanolicus Xylose isomerase (xylA)

Product Code	CSB-EP334928TMI-B
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.	P22842
Product Type	Recombinant Protein
Immunogen Species	Thermoanaerobacter pseudethanolicus (strain ATCC 33223 / 39E) (Clostridium thermohydrosulfuricum)
Purity	>85% (SDS-PAGE)
Sequence	MEYFKNVPQI KYEGPKSNNP YAFKFYNPDE IIDGKPLKEH LRFSVAYWHT FTANGTDPFG APTMQRPWDH FTDPMDIAKA RVEAAFELFE KLDVPPFFCFH DRDIAPEGET LRETNKNLDT IVAMIKDYLK TSKTKVLWGT ANLFSNPRFV HGAATSCNAD VFAYAAAQVK KALEITKELG GQNYVFWGGR EGYETLLNTD MELELDNLAR FLHMAVEYAQ EIGFEGQFLI EPKPKEPTKH QYDFDAASVH AFLKKYDLDK YFKLNIEANH ATLAGHDFQH ELRYARINNM LGSIDANMGD MLLGWDTDQY PTDIRMTTLA MYEVIKMGGF NKGGLNFDK VRRASFEPED LFLGHIAGMD AFAKGFKVAY KLVKDGVFDR FIEERYKSYR EGIGAEIVSG KANFKTLEEY ALNNPKIENK SGKQELLES I LNQYLFSE
Source	E.coli
Target Names	xylA
Protein Names	Recommended name: Xylose isomerase EC= 5.3.1.5
Expression Region	1-438
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.