



Recombinant Escherichia coli O7:K1 Xylose isomerase (xylA)

Product Code	CSB-EP484691EON-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.	B7NP65
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli O7:K1 (strain IAI39 / ExPEC)
Purity	>85% (SDS-PAGE)
Sequence	MQAYFDQLDR VRYEGSKSSN PLAFRHYNPD ELVLGKRMEE HLRFAACYWH TFCWNGADMFGVGFANRPWQ QPGEALALAK RKADVAFEFF HKLHVPFYCF HDVDVSPEGA SLKEYINNFA QMVDVLAGKQ EESGVKLLWG TANCFTNPRY GAGAATNPDP EVFSWAATQV VTAMEATHKL GGENYVLWGG REGYETLLNT DLRQEREQLG RFMQMVVEHK HKIGFQGTLL IEPKPQEPTK HQYDYDAATV YGFLKQFGL KEIKLNIEAN HATLAGHSFH HEIATAIALG LFGSVDANRG DAQLGWDTDQ FPNSVEENAL VMYEILKAGG FTTGGLNFDA KVRQSTDKY DLFYGHIGAM DTMALALKIA ARMIEDGELD KRIAQRYSGW NSELGQQILK GQMSLADLAK YAQEHNLSVPV HQSGRQEQL NLVNHYLFDK
Source	E.coli
Target Names	xylA
Protein Names	Recommended name: Xylose isomerase EC= 5.3.1.5
Expression Region	1-440
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.