



Recombinant *Bacillus subtilis* subsp. *spizizenii* Xylose isomerase (xylA)

Product Code	CSB-YP520630BRM
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.	E0TVS5
Product Type	Recombinant Protein
Immunogen Species	<i>Bacillus subtilis</i> subsp. <i>spizizenii</i> (strain ATCC 23059 / NRRL B-14472 / W23)
Purity	≥85% (SDS-PAGE)
Sequence	MAQSHSSSVN YFGSVNKVVF EGKASTNPLA FKYYPQEV I GGKTMKEHLR FSIAYWHTFT ADGTDVFGAA TMQRPWDHYK GMDLARARVE AAFEMFEKLD APFFAFHDRD IAPEGSTLKE TNQNLDIIVG MIKDYM RDSN VKLLWNTANM FTNPRFVHGA ATSCNADVFA YAAAQVKKGL ETAKELGAEN YVFWGGREGY ETLLNTDLKF ELDNLARFMH MAVDYAKEIE YTGQFLIEPK PKEPTTHQYD TDAATTIAFL KQYGLDNHFK LNLEANHATL AGHTFEHEL R MARVHGLLGS VDANQGHPLL GWDTDEFPTD LYSTTLAMYE ILQNGGLGSG GLNFDKAVRR SSFEPDDL VY AHIAGMDAFA RGLKVAHKLI EDRVFEDVIQ HRYRSFTEGI GLEITEGRAN FHTLEQYALN NKTIKNESGR QERLKAILNQ YILEV
Source	Yeast
Target Names	xylA
Protein Names	Recommended name: Xylose isomerase EC= 5.3.1.5
Expression Region	1-445
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.