



Product Information

Recombinant *Bacteroides thetaiotaomicron* xylose isomerase A

Cat. No.: X23-08-YM725

Size: 1 mg; 2 mg; 3 mg; 6 mg

Enzyme Commission Number: 5.3.1.5

Synonym: BtXyl_isomerase; D-Xylose isomerase

This product is for research use only and is not intended for diagnostic use.

Product Information

Description	Recombinant <i>Bacteroides thetaiotaomicron</i> xylose isomerase A produced by <i>Escherichia coli</i> , functions as an enzyme produced in <i>Pichia pastoris</i> . It facilitates the oxidation of cellobiose to cellobiose-1,5-lactone.
Expression System	<i>Escherichia coli</i>
Species	<i>Bacteroides thetaiotaomicron</i>
Concentration	1 mg/mL
Form	Liquid
Purity	≥90%, determined by SDS-PAGE.
Activity	Xylose isomerase
Buffer	35 mM NaHepes buffer (pH 7.5), 750 mM NaCl, 200 mM imidazole, 3.5 mM CaCl ₂ , and 25% (v/v) glycerol
Applications	Recombinant <i>Bacteroides thetaiotaomicron</i> xylose isomerase A can be used for glycobiology research. It has the ability to hydrolyze D-xylose and D-xylulose.
Storage	Store at -20°C.