



Product Information

Recombinant *Clostridium thermocellum* xylanase 10D

Cat. No.: X23-08-YM136

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

Enzyme Commission Number: 3.2.1.8

Synonym: CtXyn10D; *Endo*-(1→4)- β -xylan 4-xylanohydrolase; 4-Beta-D-xylan xylanohydrolase

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

Product Information

Description	Recombinant <i>Clostridium thermocellum</i> xylanase 10D produced by <i>Escherichia coli</i> , belongs to hydrolase that attacks hemicellulose to give rise to a mixture of xylooligosaccharides (XOSs) of various sizes.
Expression System	<i>Escherichia coli</i>
Species	<i>Clostridium thermocellum</i>
Concentration	1 mg/mL
Form	Liquid
Purity	$\geq 90\%$, determined by SDS-PAGE.
Activity	Xylanases
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>Clostridium thermocellum</i> xylanase 10D can be used in carbohydrate research for the food industry. It has the ability to hydrolyze 1,4- β -xylans.
Storage	Store at -20°C.