



Product Information

Recombinant *Clostridium thermocellum* xylanase 11A & Acetyl xylan esterase 4A

Cat. No.: X23-08-YM025

Size: 0.75 mg; 1.50 mg; 2.25 mg; 3 mg

Enzyme Commission Number: 3.2.1.8; 3.1.1.72

Synonym: CtXyn11A-Axe4A; *Endo*-(1→4)- β -xylan 4-xylanohydrolase; Acetyl xylan esterase

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

Product Information

Description	Recombinant <i>Clostridium thermocellum</i> xylanase 11A & Acetyl xylan esterase 4A 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	0.75 mg/mL
Form	Liquid
Purity	$\geq 90\%$, determined by SDS-PAGE.
Activity	Xylanases & Acetyl xylan esterases
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 11A & Acetyl xylan esterase 4A can be used in carbohydrate research for the food industry. It has the ability to hydrolyze 1,4- β -xylans, acetylated xylan, and arabinoxylans.
Storage	Store at -20°C.