



Product Information

Recombinant *Thermotoga maritima* cellulase 12A

Cat. No.: X23-08-YM176

Size: 0.25 mg; 0.50 mg; 0.75 mg; 1 mg

Enzyme Commission Number: 3.2.1.4

Synonym: *TmCel12A*; Beta-celotriose

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

Product Information

Description	Recombinant <i>Thermotoga maritima</i> cellulase 12A produced by <i>Escherichia coli</i> , possesses broad exo-1,3/1,6- β -glucanase specificity and endo- β -1,4-glucanase activity.
Expression System	<i>Escherichia coli</i>
Species	<i>Thermotoga maritima</i>
Concentration	0.25 mg/mL
Form	Liquid
Purity	$\geq 90\%$, determined by SDS-PAGE.
Activity	Cellulases
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>Thermotoga maritima</i> cellulase 12A can be used in research for textile, animal food, pharmaceutical, detergent, and paper processing industries. It has the ability to hydrolyze 1,3-1,4- β -glucans, cellulosic carbohydrates.
Storage	Store at -20°C.