



Product Information

Recombinant *Clostridium thermocellum* cellulase 5E

Cat. No.: X23-08-YM621

Size: 2 mg; 4 mg; 6 mg; 8 mg

Enzyme Commission Number: 3.2.1.4

Synonym: CtCel5E; Beta-cellobiose

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

Product Information

Description	Recombinant <i>Clostridium thermocellum</i> cellulase 5E 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>Clostridium thermocellum</i>
Concentration	2 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>Clostridium thermocellum</i> cellulase 5E can be used in research for textile, animal food, pharmaceutical, detergent, and paper processing industries. It has the ability to hydrolyze cellulosic carbohydrates.
Storage	Store at -20°C.