



Product Information

Recombinant *Caldicellulosiruptor bescii* cellulase 5A

Cat. No.: X23-08-YM149

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

Enzyme Commission Number: 3.2.1.4

Synonym: CbCel5A; Beta-celotriose

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

Product Information

Description	Recombinant <i>Caldicellulosiruptor bescii</i> cellulase 5A produced by <i>Escherichia coli</i> , possesses broad <i>exo</i> -1,3/1,6- β -glucanase specificity and <i>endo</i> - β -1,4-glucanase activity.
Expression System	<i>Escherichia coli</i>
Species	<i>Caldicellulosiruptor bescii</i>
Concentration	1 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>Caldicellulosiruptor bescii</i> cellulase 5A can be used in research for textile, animal food, pharmaceutical, detergent, and paper processing industries. It has the ability to hydrolyze avicel, cellulosic carbohydrates, and lichenan.
Storage	Store at -20°C.