



Product Information

Recombinant *Bacillus* sp. cellulase 5A

Cat. No.: X23-08-YM447

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

Enzyme Commission Number: 3.2.1.4

Synonym: B Cel5A; Beta-celotriose

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

Product Information

Description	Recombinant <i>Bacillus</i> sp. 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>Bacillus</i> sp.
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>Bacillus</i> sp. cellulase 5A can be used in research for textile, animal food, pharmaceutical, detergent, and paper processing industries. It has the ability to hydrolyze cellotetraose p-nitrophenyl derivates, cellotriose p-nitrophenyl derivates, cellulosic carbohydrates, and lichenan.
Storage	Store at -20°C.