

Product Information

Recombinant *Clostridium cellulolyticum* cellodextrinase 1A

Cat. No.: X23-08-YM584

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

Enzyme Commission Number: 3.2.1.74

Synonym: CcBgc1A; Exocellulase

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

Product Information

Description	Recombinant <i>Clostridium cellulolyticum</i> cellodextrinase 1A produced by <i>Escherichia coli</i> , is classified with the enzyme commission (E.C.) number 3.2.1.74 and functions as an <i>exo</i> -1,4- β -glucosidase/glucanase.
Expression System	<i>Escherichia coli</i>
Species	<i>Clostridium cellulolyticum</i>
Concentration	1 mg/mL
Form	Liquid
Purity	$\geq 90\%$, determined by SDS-PAGE.
Activity	Cellodextrinases
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 cellulolyticum</i> cellodextrinase 1A can be used for glycobiology research. It has the ability to hydrolyze 4-nitrophenyl- β -D-glucopyranoside (PNPG), cellobiose, cellotetraose, cellotriose, lactose, o-nitrophenyl- β -galactopyranoside.
Storage	Store at -20°C.