



Product Information

Recombinant *Pectobacterium carotovorum* β -glucosidase 1A

Cat. No.: X23-08-YM137

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

Enzyme Commission Number: 3.2.1.86; 3.2.1.21

Synonym: PcBgl1A; β -D-Glucoside glucose hydrolase; β -Glycosidase; Fibrolyase; Dragon glycogenase

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

Product Information

Description	Recombinant <i>Pectobacterium carotovorum</i> β -glucosidase 1A produced by <i>Escherichia coli</i> , is responsible for hydrolyzing the glycosidic bonds of cellobiose to give rise to glucose, which is crucial for the effective use of cellulose.
Expression System	<i>Escherichia coli</i>
Species	<i>Pectobacterium carotovorum</i>
Concentration	1 mg/mL
Form	Liquid
Purity	$\geq 90\%$, determined by SDS-PAGE.
Activity	β -Glucosidases
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>Pectobacterium carotovorum</i> β -glucosidase 1A can be used in carbohydrate research and biofuel industries. It has the ability to hydrolyze 4-methylumbelliferyl β -D-glucopyranoside, 4-nitrophenyl β -D-glucopyranoside (pNPG), 4-nitrophenyl- β -D-glucopyranoside-6P, arbutin, salicin.
Storage	Store at -20°C.