



## Product Information

### Recombinant *Pectobacterium carotovorum* $\beta$ -glucosidase 1C

**Cat. No.:** X23-08-YM139

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

**Enzyme Commission Number:** 3.2.1.21

**Synonym:** PcBgl1C;  $\beta$ -D-Glucoside glucose hydrolase;  $\beta$ -Glycosidase; Fibroblase; Dragon glycogenase

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

#### Product Information

<b>Description</b>	Recombinant <i>Pectobacterium carotovorum</i> $\beta$ -glucosidase 1C 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.
<b>Expression System</b>	<i>Escherichia coli</i>
<b>Species</b>	<i>Pectobacterium carotovorum</i>
<b>Concentration</b>	1 mg/mL
<b>Form</b>	Liquid
<b>Purity</b>	$\geq 90\%$ , determined by SDS-PAGE.
<b>Activity</b>	$\beta$ -Glucosidases
<b>Buffer</b>	35 mM NaHepes buffer (pH 7.5), 750 mM NaCl, 200 mM imidazole, 3.5 mM CaCl <sub>2</sub> , and 25% (v/v) glycerol
<b>Applications</b>	Recombinant <i>Pectobacterium carotovorum</i> $\beta$ -glucosidase 1C can be used in carbohydrate research and biofuel industries. It has the ability to hydrolyze 4-methylumbelliferyl $\beta$ -D-glucopyranoside, 4-nitrophenyl- $\beta$ -D-glucopyranoside (PNPG), arbutin, salicin, $\beta$ -glucooligosaccharides.
<b>Storage</b>	Store at -20°C.