



Product Information

Recombinant *Paenibacillus polymyxa* β -glucosidase 1B

Cat. No.: X23-08-YM461

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

Enzyme Commission Number: 3.2.1.21

Synonym: PpBgl1B; β -D-Glucoside glucose hydrolase; β -Glycosidase; Fibroblase; Dragon glycogenase

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

Product Information

| | |
|--------------------------|---|
| Description | Recombinant <i>Paenibacillus polymyxa</i> β -glucosidase 1B 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>Paenibacillus polymyxa</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>Paenibacillus polymyxa</i> β -glucosidase 1B can be used in carbohydrate research and biofuel industries. It has the ability to hydrolyze cellobiose and cellodextrins. |
| Storage | Store at -20°C. |