



Product Information

Recombinant *Paenibacillus* sp. glucosylceramidase 3A

Cat. No.: X23-08-YM494

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

Enzyme Commission Number: 3.2.1.45

Synonym: PGba3A; Psychosine hydrolase

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

Product Information

Description	Recombinant <i>Paenibacillus</i> sp. glucosylceramidase 3A produced by <i>Escherichia coli</i> , is a single-domain glycoside hydrolase family 3 (GH3) enzyme.
Expression System	<i>Escherichia coli</i>
Species	<i>Paenibacillus</i> sp.
Concentration	1 mg/mL
Form	Liquid
Purity	≥90%, determined by SDS-PAGE.
Activity	Other Activities
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</i> sp. glucosylceramidase 3A can be used in biotechnology and glycoscience. It has the ability to hydrolyze 4-nitrophenyl-β-D-glucopyranoside (PNPG), glucosylceramide.
Storage	Store at -20°C.