



Product Information

Recombinant *Bacteroides thetaiotaomicron* β -acetylglucosaminidase 18A

Cat. No.: X23-08-YM058

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

Enzyme Commission Number: 3.2.1.96

Synonym: BtAcp18A; Mannosyl-glycoprotein *endo*- β -*N*-acetylglucosaminidase

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

Product Information

Description	Recombinant <i>Bacteroides thetaiotaomicron</i> β -acetylglucosaminidase 18A produced by <i>Escherichia coli</i> , is an enzyme that is responsible for hydrolyzing the diacetylchitobiosyl unit in glycopeptides and glycoproteins with the (Man(GlcNAc)(2))Asn structure, releasing the intact oligosaccharide except for one <i>N</i> -acetyl-D-glucosamine residue that remains attached to the protein.
Expression System	<i>Escherichia coli</i>
Species	<i>Bacteroides thetaiotaomicron</i>
Concentration	1 mg/mL
Form	Liquid
Purity	$\geq 90\%$, determined by SDS-PAGE.
Activity	Acetylglucosaminidases
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>Bacteroides thetaiotaomicron</i> β -acetylglucosaminidase 18A can be used for glycobiology research. It has the ability to hydrolyze mammalian high mannose <i>N</i> -glycans (HMNG), Man9GlcNAc2.
Storage	Store at -20°C.