



Product Information

Recombinant *Clostridium difficile* β -acetylglucosaminidase 73A

Cat. No.: X23-08-YM545

Size: 0.25 mg; 0.50 mg; 0.75 mg; 1 mg

Enzyme Commission Number: 3.2.1.-

Synonym: CdAcp73A; 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>Clostridium difficile</i> β -acetylglucosaminidase 73A 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>Clostridium difficile</i>
Concentration	0.25 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>Clostridium difficile</i> β -acetylglucosaminidase 73A can be used for glycobiology research. It has the ability to hydrolyze peptidoglycan.
Storage	Store at -20°C.