



## Product Information

### Recombinant *Bacillus megaterium* $\beta$ -acetylglucosaminidase 18A

**Cat. No.:** X23-08-YM437

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

**Enzyme Commission Number:** 3.2.1.-

**Synonym:** BmAcp18A; Mannosyl-glycoprotein *endo*- $\beta$ -*N*-acetylglucosaminidase

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

#### Product Information

<b>Description</b>	Recombinant <i>Bacillus megaterium</i> $\beta$ -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.
<b>Expression System</b>	<i>Escherichia coli</i>
<b>Species</b>	<i>Bacillus megaterium</i>
<b>Concentration</b>	0.25 mg/mL
<b>Form</b>	Liquid
<b>Purity</b>	$\geq 90\%$ , determined by SDS-PAGE.
<b>Activity</b>	Acetylglucosaminidases
<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>Bacillus megaterium</i> $\beta$ -acetylglucosaminidase 18A can be used for glycobiology research. It has the ability to hydrolyze spore cortex peptidoglycan.
<b>Storage</b>	Store at -20°C.