

## β-Acetylglucosaminidase 18A from Bacteroides thetaiotaomicron, Recombinant

Cat. No. NATE-1291

Lot. No. (See product label)

### Introduction

#### Description

β-acetylglucosaminidase 18A, is an enzyme from Bacteroides thetaiotaomicron that participates in the endohydrolysis of the diacetylchitobiosyl unit in high-mannose glycopeptides and glycoproteins containing the (Man(GlcNAc)(2))Asn-structure. One N-acetyl-D-glucosamine residue remains attached to the protein; the rest of the oligosaccharide is released intact. Recombinant BtAcp18A (GH18), purified from Escherichia coli, is a single domain family 18 Glycoside Hydrolase (GH18).

#### Synonyms

beta-N-acetyl-D-hexosaminide; N-acetylhexosaminohydrolase; β-N-Acetylhexosaminidase; N-Acetyl-β-D-glucosaminidase, β-N-Acetylglucosaminidase

### Product Information

#### Species

Bacteroides thetaiotaomicron

#### Source

E. coli

#### Form

35 mM NaHepes buffer, pH 7.5, 750 mM NaCl, 200 mM imidazol, 3.5 mM CaCl<sub>2</sub>, 0.02% sodium azide and 25% (v/v) glycerol.

#### EC Number

EC 3.2.1.96

#### CAS No.

37278-88-9

#### Molecular Weight

50.3 kDa

#### Purity

>50% by SDS-PAGE

#### Concentration

1 mg/mL

#### Optimum pH

7.5

#### Optimum temperature

37 °C

#### Specificity

Mammalian high mannose N-glycans (HMNG), such as Man<sub>9</sub>GlcNAc<sub>2</sub>

### Storage and Shipping Information

#### Storage

This enzyme is shipped at room temperature but should be stored at -20 °C.