

N-Acetylglucosamine endo- β -galactosidase 16C from *Clostridium perfringens*, Recombinant

Cat. No. NATE-1412

Lot. No. (See product label)

Introduction

Description Endo- β -Galactosidase is an enzyme that hydrolyzes internal β -galactosidic linkages of oligosaccharides in poly-N-acetyl-lactosamine structures. This enzyme resembles the *Escherichia freundii* enzyme due to its specificity towards bovine corneal keratan sulphate, milk oligosaccharides and the glycolipids lacto-N-neotetraosylceramide and lacto-N-tetraosylceramide.

Synonyms β -Galactosidase bacterial; Keratanase; Endo- β -galactosidase; keratan sulfate endogalactosidase; keratan-sulfate 1,4- β -D-galactanohydrolase; EC 3.2.1.103

Product Information

Species *Clostridium perfringens*

Source *E. coli*

Form 35 mM NaHepes buffer, pH 7.5, 750 mM NaCl, 200 mM imidazol, 3.5 mM CaCl₂, 0.02% sodium azide and 25% (v/v) glycerol

EC Number EC 3.2.1.-

Molecular Weight 33.7 kDa

Purity >90% by SDS-PAGE

Concentration 1 mg/mL

Optimum pH 6

Optimum temperature 37 °C

Specificity GlcNAc- α -1,4-Gal- β -1,3-GalNAc- α 1-Ser/Thr

Storage and Shipping Information

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