Creative Enzymes®

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-α1-Ser/Thr

Storage and Shipping Information

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