Creative Enzymes®

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

*Cat. No. NATE-1412*

*Lot. No.* (See product label)

## Introduction

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| ***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

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| ***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

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