Creative Enzymes®

Endo-β-galactosidase from Bacteroides fragilis, Recombinant

Cat. No. NATE-1413

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	Bacteroides fragilis
Source	E. coli
Form	Sterile-filtered in 20 mM Tris-HCl, pH 7.5.
EC Number	EC 3.2.1.103
CAS No.	55072-01-0
Molecular Weight	~32 kDa
Activity	>14 U/ml; Specific Activity: >140 U/mg protein
Unit Definition	One unit is defined as the amount of enzyme that will liberate one µmol reducing sugar from bovine corneal keratan sulfate per min at 37°C, pH 5.8.

Storage and Shipping Information

Storage	2-8°C