

## Endo- $\beta$ -galactosidase from *Bacteroides fragilis*, Recombinant

Cat. No. NATE-1413

Lot. No. (See product label)

### Introduction

**Description** Endo- $\beta$ -Galactosidase is an enzyme that hydrolyzes internal  $\beta$ -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**  $\beta$ -Galactosidase bacterial; Keratanase; Endo- $\beta$ -galactosidase; keratan sulfate endogalactosidase; keratan-sulfate 1,4- $\beta$ -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  $\mu$ mol reducing sugar from bovine corneal keratan sulfate per min at 37°C, pH 5.8.

### Storage and Shipping Information

**Storage** 2-8°C