

# $\beta$ -Glucosidase from *Streptococcus pyogenes*, Recombinant

Cat. No. NATE-1234

Lot. No. (See product label)

## Introduction

### Description

Beta-glucosidase is a glucosidase enzyme that acts upon  $\beta$ 1- $\rightarrow$ 4 bonds linking two glucose or glucose-substituted molecules (i.e., the disaccharide cellobiose). It is one of the cellulases, enzymes involved in the decomposition of cellulose and related polysaccharides; more specifically, an exocellulase with specificity for a variety of beta-D-glycoside substrates. It catalyzes the hydrolysis of terminal non-reducing residues in beta-D-glucosides with release of glucose.

### Synonyms

EC 3.2.1.21; gentiobiase; cellobiase; emulsin; elaterase; aryl-beta-glucosidase; beta-D-glucosidase; beta-glucoside glucohydrolase; arbutinase; amygdalinase; p-nitrophenyl beta-glucosidase; primeverosidase; amygdalase; linamarase; salicilinase; beta-1,6-glucosidase

## Product Information

### Source

*Streptococcus pyogenes* MGAS315

### Form

Supplied in 2.5 M NaCl

### EC Number

EC 3.2.1.21

### CAS No.

9001-22-3

### Molecular Weight

57177.3 Da

### Purity

>95 % as judged by SDS-PAGE

## Storage and Shipping Information

### Storage

Store at 4°C (shipped at room temperature)