

## Native Bovine $\beta$ -Glucuronidase

Cat. No. NATE-0329

Lot. No. (See product label)

### Introduction

**Description**  $\beta$ -glucuronidase catalyzes the breakdown of complex carbohydrates. In humans it converts conjugated bilirubin into the unconjugated form, making bilirubin suitable for reabsorption.

**Applications**  $\beta$ -glucuronidase is used as a reporter gene in GUS assays to monitor gene expression.

**Synonyms**  $\beta$ -glucuronide glucuronohydrolase glucuronidase; exo- $\beta$ -D-glucuronidase; ketodase; EC 3.2.1.31; 9001-45-0;  $\beta$ -D-glucuronoside glucuronosohydrolase; GUSB

### Product Information

**Species** Bovine

**Source** Bovine liver

**EC Number** EC 3.2.1.31

**CAS No.** 9001-45-0

**Activity** Type B-10, ~10,000 units/mg solid; Type B-1, > 1,000,000 units/g solid; Type B-3, > 2,000,000 units/g solid

**Pathway** Ascorbate biosynthesis, animals, glucose-1P => ascorbate, organism-specific biosystem (from KEGG)  
Ascorbate biosynthesis, animals, glucose-1P => ascorbate, conserved biosystem (from KEGG)  
Chondroitin sulfate degradation, organism-specific biosystem (from KEGG)

**Function** AnxA6 is a novel receptor that mediates the endocytosis of bovine beta-glucuronidase.

**Unit Definition** One unit will liberate 1.0  $\mu$ g of phenolphthalein from phenolphthalein glucuronide per hr at 37°C at pH 5.0 (30 min assay).