

Native Bovine β -Glucuronidase

Cat. No. NATE-0329

Lot. No. (See product label)

Introduction

- Description** β -glucuronidase catalyzes the breakdown of complex carbohydrates. In humans it converts conjugated bilirubin into the unconjugated form, making bilirubin suitable for reabsorption.
- Applications** β -glucuronidase is used as a reporter gene in GUS assays to monitor gene expression.
- Synonyms** β -glucuronide glucuronohydrolase glucuronidase; exo- β -D-glucuronidase; ketodase; EC 3.2.1.31; 9001-45-0; β -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 μ g of phenolphthalein from phenolphthalein glucuronide per hr at 37°C at pH 5.0 (30 min assay).