

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).