Creative Enzymes®

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 µg of phenolphthalein from phenolphthalein glucuronide per hr at 37°C at pH 5.0 (30 min assay).