Creative Enzymes®

Native Limpets (Patella vulgata) β-Glucuronidase

Cat. No. NATE-0332

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.
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

Source	Limpets (Patella vulgata)
Form	lyophilized powder or aqueous solution (Aqueous solution in 0.9% NaCl with 0.02% sodium azide as preservative)
EC Number	EC 3.2.1.31
CAS No.	9001-45-0
Specificity	glucuronidase activity: 4.5 to 5.0 sulfatase activity: ~6.2
Inhibitors	D-glucuronic acid, D-galacturonic acid, D-glucaro-1,4-lactone
Unit Definition	One unit will liberate 1.0 µg of phenolphthalein from phenolphthalein glucuronide per hr at 37°C at pH 3.8 (30 min assay). Sulfatase Unit Definition: One unit of sulfatase will hydrolyze 1.0 µmole p-nitrocatechol sulfate per hr at pH 5.0 at 37°C.