

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 μ g 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 μ mole p-nitrocatechol sulfate per hr at pH 5.0 at 37°C.