

α-Glucuronidase from Cellvibrio japonicus, Recombinant

Cat. No. NATE-1178

Lot. No. (See product label)

Introduction

Description

In enzymology, an alpha-glucuronidase (EC 3.2.1.139) is an enzyme that catalyzes the chemical reaction: an alpha-D-glucuronoside + H₂O ↔ an alcohol + D-glucuronate. Thus, the two substrates of this enzyme are alpha-D-glucuronoside and H₂O, whereas its two products are alcohol and D-glucuronate. This enzyme belongs to the family of hydrolases, to be specific those glycosidases that hydrolyse O- and S-glycosyl compounds. The systematic name of this enzyme class is alpha-D-glucosiduronate glucuronohydrolase. This enzyme is also called alpha-glucosiduronase.

Synonyms

EC 3.2.1.139; alpha-D-glucosiduronate glucuronohydrolase; alpha-glucosiduronase

Product Information

Source

Cellvibrio japonicus NCIMB 10462

Form

Supplied in 3.2 M ammonium sulphate

EC Number

EC 3.2.1.139

CAS No.

37259-81-7

Molecular Weight

97904.6 Da

Purity

> 95 % as judged by SDS-PAGE

Activity

27.72 U/mg

Concentration

183.48 U/ml

Optimum pH

6.3

Optimum temperature

< 55°C

Unit Definition

One unit is defined as the amount of enzyme required to release 1μmol of D-glucose equivalents per minute from an aldouronic acid mixture.

Storage and Shipping Information

Storage

Store at 4°C (shipped at room temperature)