Creative Enzymes®

α-Glucuronidase from Opitutus terrae PB90-1, Recombinant

Cat. No. NATE-1179

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	Opitutus terrae PB90-1
Form	Supplied in 3.2 M ammonium sulphate
EC Number	EC 3.2.1.139
CAS No.	37259-81-7
Molecular Weight	82809.8 Da
Purity	> 95 % as judged by SDS-PAGE
Activity	21.12 U/mg
Concentration	31.04 U/mL
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)