Creative Enzymes®

α-Glucuronidase 4A from Thermotoga maritima, Recombinant

Cat. No. NATE-1450

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

Species	Thermotoga maritima
Source	E. coli
Form	35 mM NaHepes buffer, pH 7.5, 750 mM NaCl, 200 mM imidazol, 3.5 mM CaCl2, 0.02% sodium azide and 25% (v/v) glycerol
EC Number	EC 3.2.1.139
CAS No.	37259-81-7
Molecular Weight	56.7 kDa
Purity	>50% by SDS-PAGE
Concentration	0.25 mg/mL
Optimum pH	5.0-11.0
Optimum temperature	60 °C
Specificity	p-NP-α-D-glucuronopyranoside

Storage and Shipping Information

Storage	This enzyme is shipped at room temperature but should be stored at -20 °C.