Creative Enzymes®

Endoglycoceramidase II from Rhodococcus sp., Recombinant

Cat. No. NATE-0210

Lot. No. (See product label)

Introduction

Description	In enzymology, an endoglycosylceramidase (EC 3.2.1.123) is an enzyme that catalyzes the chemical reaction:oligoglycosylglucosylceramide + H2O↔ ceramide + oligoglycosylglucose. Thus, the two substrates of this enzyme are oligoglycosylglucosylceramide and H2O, whereas its two products are ceramide and oligoglycosylglucose. This enzyme belongs to the family of hydrolases, specifically those glycosidases that hydrolyse O-and S-glycosyl compounds.
Applications	Endoglycoceramidase II from Rhod oc occus sp. has been used in a study to assess the differentiation of glycosphingolipid-derived glycan structural isomers by liquid chromatography and mass spectrometry. Endoglycoceramidase II from Rhodococcus sp. has also been used in a study to investigate structural and mechanistic analyses of Endoglycoceramidase II.
Synonyms	EC 3.2.1.123, endoglycoceramidase; EGCase; glycosyl-N-acetyl-sphingosine 1,1-β-D-glucanohydrolase, oligoglycosylglucosylceramide glycohydrolase; oligoglycosylglucosyl (1↔1)ceramide glycohydrolase

Product Information

Species	Rhodococcus sp.
Source	E. coli
Form	Solution in 20 mM sodium acetate buffer, pH 6.0, containing 0.2% BSA and 0.1% Lubrol PX.
EC Number	EC 3.2.1.123
CAS No.	105503-61-5
Unit Definition	One unit will hydrolyze 1 μmol of asialo-GM1 per min at 37°C at pH 5.0.

Storage and Shipping Information

Storage	−20°C