

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 Rhodococcus 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; EGCCase; 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