

## 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 + H<sub>2</sub>O ↔ ceramide + oligoglycosylglucose. Thus, the two substrates of this enzyme are oligoglycosylglucosylceramide and H<sub>2</sub>O, 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