

## Laminarinase 16A from *Zobellia galactanivorans*, Recombinant

Cat. No. NATE-1415

Lot. No. (See product label)

### Introduction

#### Description

Glucan endo-1,3-beta-D-glucosidase is an enzyme with system name 3-beta-D-glucan glucanohydrolase. This enzyme catalyses the following chemical reaction: Hydrolysis of (1->3)-beta-D-glucosidic linkages in (1->3)-beta-D-glucans. This enzyme is marginally active on mixed-link (1->3,1->4)-beta-D-glucans.

#### Synonyms

endo-1,3-β-glucanase; laminarinase; laminaranase; oligo-1,3-glucosidase; endo-1,3-β-glucanase; callase; β-1,3-glucanase; kitalase; 1,3-β-D-glucan 3-glucanohydrolase; endo-(1,3)-β-D-glucanase; (1→3)-β-glucan 3-glucanohydrolase; endo-1,3-β-D-glucanase; endo-1,3-β-glucosidase; 1,3-β-D-glucan glucanohydrolase; EC 3.2.1.39; 9044-93-3

### Product Information

#### Species

*Zobellia galactanivorans*

#### Source

*E. coli*

#### Form

35 mM NaHepes buffer, pH 7.5, 750 mM NaCl, 200 mM imidazol, 3.5 mM CaCl<sub>2</sub>, 0.02% sodium azide and 25% (v/v) glycerol

#### EC Number

EC 3.2.1.39

#### CAS No.

9025-37-0

#### Molecular Weight

30.6 kDa

#### Purity

>90% by SDS-PAGE

#### Concentration

0.25 mg/mL

#### Optimum pH

8.5

#### Optimum temperature

40 °C

#### Specificity

1,3-β-glucans, such as laminarin, and display low activity on mixed linked glucans

### Storage and Shipping Information

#### Storage

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