

## β-Porphyranase 16A from *Zobellia galactanivorans*, Recombinant

Cat. No. NATE-1530

Lot. No. (See product label)

### Introduction

#### Description

Beta-porphyranase (EC 3.2.1.178, porphyranase, PorA, PorB, endo-beta-porphyranase) is an enzyme with systematic name porphyran beta-D-galactopyranose-(1->4)-alpha-L-galactopyranose-6-sulfate 4-glycanohydrolase. This enzyme catalyses the following chemical reaction: Hydrolysis of beta-D-galactopyranose-(1->4)-alpha-L-galactopyranose-6-sulfate linkages in porphyran. The backbone of porphyran consists largely (~70%) of (1->3)-linked beta-D-galactopyranose followed by (1->4)-linked alpha-L-galactopyranose-6-sulfate.

#### Synonyms

Beta-porphyranase; EC 3.2.1.178; porphyranase; PorA; PorB; endo-beta-porphyranase

### 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 3.2.1.178

#### Molecular Weight

33.3 kDa

#### Purity

>90% as judged by SDS-PAGE

#### Concentration

1 mg/mL

#### Optimum pH

7.5

#### Optimum temperature

30 °C

#### Specificity

Porphyran

### Storage and Shipping Information

#### Storage

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