

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 CaCl₂, 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.