Creative Enzymes®

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.