

Laminarinase 16A from Thermotoga petrophila, Recombinant

Cat. No. NATE-1417

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

Thermotoga petrophila

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 3.2.1.39

CAS No.

9025-37-0

Molecular Weight

30.7 kDa

Purity

>50% by SDS-PAGE

Concentration

1 mg/mL

Optimum pH

5.0-7.0

Optimum temperature

78-95 °C

Specificity

Laminarin

Storage and Shipping Information

Storage

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