

Laminarinase 16A from Pyrococcus furiosus, Recombinant

Cat. No. NATE-1418

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 \rightarrow 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	Pyrococcus furiosus
Source	E. coli
Form	35 mM NaHepes buffer, pH 7.5, 750 mM NaCl, 200 mM imidazol, 3.5 mM CaCl ₂ , 0.02% sodium azide and 25% (v/v) glycerol
EC Number	EC 3.2.1.39
CAS No.	9025-37-0
Molecular Weight	30.8 kDa
Purity	>90% by SDS-PAGE
Concentration	1 mg/mL
Optimum pH	6.5
Optimum temperature	70-80 °C
Specificity	Lichenan and laminarin

Storage and Shipping Information

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