

## 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→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

<b>Species</b>	Pyrococcus furiosus
<b>Source</b>	E. coli
<b>Form</b>	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
<b>EC Number</b>	EC 3.2.1.39
<b>CAS No.</b>	9025-37-0
<b>Molecular Weight</b>	30.8 kDa
<b>Purity</b>	>90% by SDS-PAGE
<b>Concentration</b>	1 mg/mL
<b>Optimum pH</b>	6.5
<b>Optimum temperature</b>	70-80 °C
<b>Specificity</b>	Lichenan and laminarin

### Storage and Shipping Information

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