Creative Enzymes®

Laminarinase 81A from Bacillus halodurans, Recombinant

Cat. No. NATE-1414

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	Bacillus halodurans
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	79.6 kDa
Purity	>90% by SDS-PAGE
Concentration	0.25 mg/mL
Optimum pH	6.0–8.0
Optimum temperature	60 °C
Specificity	1,3-β-glucans, such as laminarin

Storage and Shipping Information

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