Creative Enzymes®

Native Helix pomatia β-(1→3)-D-Glucanase

Cat. No. NATE-0303

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.
Applications	β-(1→3)-D-Glucanase from is used to digest β-1,3-glucan, which is a major component of cell walls. β-(1→3)-D-Glucanase from Helix pomatia has been used fto digest the cell walls of C. albicans.
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

Source	Helix pomatia
EC Number	EC 3.2.1.39
CAS No.	9044-93-3
Activity	> 0.2 units/mg
Unit Definition	One unit corresponds to the amount of enzyme which liberates 1 μmol of glucose from laminarin per minute at pH 5.0 and 37°C

Storage and Shipping Information

Storage	−20°C