

Native Helix pomatia β -(1 \rightarrow 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 \rightarrow 3)-beta-D-glucosidic linkages in (1 \rightarrow 3)-beta-D-glucans. This enzyme is marginally active on mixed-link (1 \rightarrow 3,1 \rightarrow 4)-beta-D-glucans.

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

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 μ mol of glucose from laminarin per minute at pH 5.0 and 37°C

Storage and Shipping Information

Storage -20°C