Creative Enzymes®

Native Aspergillus niger β-Glucanase

Cat. No. NATE-0766

Lot. No. (See product label)

Introduction

Description	β-glucanases degrade β-1,4-glucans of cellulose, xyloglucan and β-1,4-xylan. β-Glucanase represents a group of carbohydrate enzymes which break down glycosidic bonds within beta-glucan. It forms the main constituent of fungal cell walls and could be a potential structural and storage polysaccharide of marine macro-algae. It has the ability to degrade fungal cell walls and may be involved in defense mechanism of plants against pathogenic fungi.
Synonyms	endo-1,3-β-D-glucanase; laminarinase; laminaranase; β-1,3-glucanase; β-1,3-1,4-glucanase; endo-1,3-β-glucanase; endo-β-1,3 (4)-glucanase; endo-β-1,3-1,4-glucanase; endo-β-(1→3)-D-glucanase; endo-1,3-1,4-β-D-glucanase; endo-β-(1-3)-D-glucanase; endo-β-1,3-glucanase IV; endo-1,3-β-D-glucanase; 1,3-(1,3; 1,4)-β-D-glucan 3 (4)-glucanohydrolase; EC 3.2.1.6; 9074-98-0

Product Information

Source	Aspergillus niger
Form	powder.
EC Number	EC 3.2.1.6
CAS No.	9074-98-0
Activity	~1 units/mg
Unit Definition	One unit corresponds to the amount of enzyme which will release 1 μmole of reducing sugar equivalents (expressed as glucose) per minute at pH 5.0 and 55°C, using β-D-glucan as substrate

Storage and Shipping Information

Storage	2-8°C