

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 \rightarrow 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 One unit corresponds to the amount of enzyme which will release 1 μ mole 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