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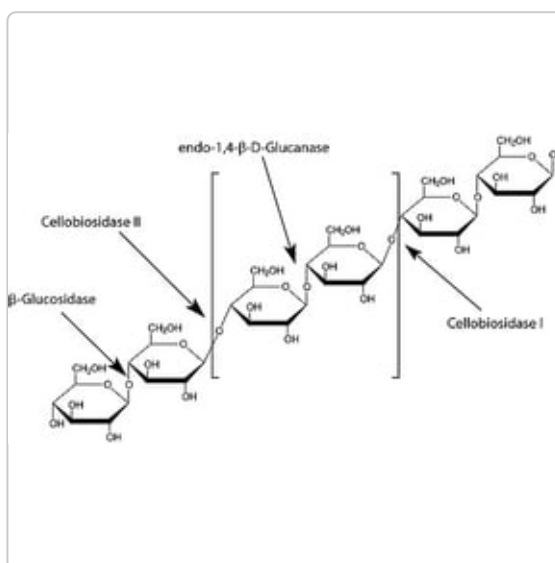
Saisir le nom du produit, le numéro de lot, etc.



G4423 ► Sigma-Aldrich.

β -Glucanase from *Trichoderma longibrachiatum*

★★★★★ (0)



Toutes les photos (4)

Synonyme(s):

endo-1,3(4)- β -glucanase, endoglucanase

Numéro de classification (Commission des enzymes):

3.2.1.6 (BRENDA, IUBMB)

Numéro MDL:

MFCD00131488

NACRES:

NA.54

Select an Option

Référence

G4423-100G



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📄 Fiche des caractéristiques

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PRODUITS RECOMMANDÉS



Sigma-Aldrich

49101

β -Glucanase from *Aspergillus niger*

powder, dark brown, ~1 U/mg

Consulter le prix et la disponibilité

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PROPRIÉTÉS

Forme
powder

Niveau de qualité

~ ~ ~

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Composition

protein, $\geq 10\%$

Caractéristiques du produit alternatif plus écologique

Waste Prevention

Design for Energy Efficiency

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Autre catégorie plus écologique

[Enabling](#)

Catégories apparentées

[Greener Alternative Products](#)

DESCRIPTION

Description générale

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.

We are committed to bringing you Greener Alternative Products, which adhere to one or more of The 12 Principles of Greener Chemistry. This product has been enhanced for energy efficiency and waste prevention when used in cellulosic ethanol research. For more information see the [article in biofiles](#).

Application

β -Glucanase was used as a cellulase enzyme in the combined biological and chemical pretreatment method for lignocellulosic ethanol production from energy cane. It was also used in the enzymatic saccharification of cellulose and production of ethanol.

Conditionnement

100 g in poly bottle

Actions biochimiques/physiologiques

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Définition de l'unité

One unit will liberate 1.0 μ mole of glucose from cellulose in one hr at pH 5.0 at 37 °C (2 hr incubation time).

Forme physique

contains maltodextrin, silica and sodium benzoate

INFORMATIONS SUR LA SÉCURITÉ

Code de la classe de stockage

11 - Combustible Solids

WGK

WGK 3

Flash Point(F)

Not applicable

Point d'éclair C

Not applicable

DOCUMENTATION

Certificat d'analyse

Saisir un numéro de lot pour rechercher un certificat d'analyse (COA).

Numéro de lot

e.g. 023J5431

Comment saisir un numéro de lot (COA)

Rechercher

Certificat d'origine

Saisir un numéro de lot pour rechercher un certificat d'origine (COO).

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Comment saisir un numero de lot (COO)

Rechercher

Plus De Documents

Enzyme Explorer

FDS

LES CLIENTS ONT ÉGALEMENT CONSULTÉ



Sigma-Aldrich

C2730

Cellulase from *Trichoderma reesei*

aqueous solution, ≥ 700 units/g

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ARTICLES REVUS PAR DES PAIRS

Combined biological and chemical pretreatment method for lignocellulosic ethanol production from energy cane;

Sara Shields, Raj Boopathy
Renewable Bioresources null

Gut Bacteria Shape Intestinal Microhabitats Occupied by the Fungus *Candida albicans*.

Marie-Therese Eckstein et al.
Current biology : CB, 30(23), 4799-4807 (2020-10-10)

The human gut microbiota is composed of diverse microbes that not only compete but also rely on one another for resources and access to microhabitats in the intestine [1, 2]. Indeed, recent efforts to map the microbial biogeography of the

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The fungal cell wall is a complex structure composed of chitin, glucans and other polymers, and there is evidence of extensive cross-linking between these components. The wall structure is highly dynamic, changing constantly during cell division, growth and morphogenesis. Hydrolytic

High-level expression of a specific beta-1,3-1,4-glucanase from the thermophilic fungus *Paecilomyces thermophila* in *Pichia pastoris*.

Chengwei Hua et al.

Applied microbiology and biotechnology, 88(2), 509-518 (2010-07-21)

In this study, a novel beta-1,3-1,4-glucanase gene (designated as PtLic16A) from *Paecilomyces thermophila* was cloned and sequenced. PtLic16A has an open reading frame of 945 bp, encoding 314 amino acids. The deduced amino acid sequence shares the highest identity (61%)

Scale-up of ethanol production from winter barley by the EDGE (enhanced dry grind enzymatic) process in fermentors up to 300 l.

Nhuan P Nghiem et al.

Applied biochemistry and biotechnology, 165(3-4), 870-882 (2011-06-15)

A fermentation process, which was designated the enhanced dry grind enzymatic (EDGE) process, has recently been developed for barley ethanol production. In the EDGE process, in addition to the enzymes normally required for starch hydrolysis, commercial β-glucanases were used to

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PRODUITS CONSULTÉS RÉCEMMENT



Sigma-Aldrich

G4410

Griess reagent (modified)

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Évaluations

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