

Cellulase, thermostable from *Dictyoglomus turgidum*, Recombinant

Cat. No. NATE-1928

Lot. No. (See product label)

Introduction

Description

Product exhibits endo-cellulase, β -glucanase activity and β -mannase activities when assayed using insoluble AZCL-linked substrates as well as exo-cellulase and cellobiohydrolase activities.

Synonyms

1,4-(1,3;1,4)- β -D-Glucan 4-glucano-hydrolase; EC 3.2.1.4; endo-1,4- β -D-glucanase; β -1,4-glucanase; β -1,4-endoglucan hydrolase; cellulase A; cellulosin AP; endoglucanase D; alkali cellulase; cellulase A 3; celludextrinase; 9.5 cellulase; avicelase; pancellase SS

Product Information

Species

Dictyoglomus turgidum

Source

E. coli

Form

Supplied as as solution in 50 mM Tris-HCl, pH 7.5, 100 mM NaCl, and 25% glycerol.

EC Number

EC 3.2.1.4

CAS No.

9012-54-8

Molecular Weight

37 kDa

Purity

$\geq 90\%$ (SDS-PAGE)

Activity

≥ 200 units/mg protein

Concentration

> 20 mg/ml

Unit Definition

One unit will produce 1 μ mole of reducing sugar (measured as glucose) from β -glucan per minute at pH 5.8 at 70 °C.

Storage and Shipping Information

Storage

2-8°C