

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; cellulose 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 a 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