

## β-Mannanase 5B from Clostridium thermocellum, Recombinant

Cat. No. NATE-1459

Lot. No. (See product label)

### Introduction

#### Description

Mannan endo-1,4-beta-mannosidase is an enzyme with system name 4-beta-D-mannan mannanohydrolase. This enzyme catalyses the following chemical reaction: Random hydrolysis of (1->4)-beta-D-mannosidic linkages in mannans, galactomannans and glucomannans.

#### Synonyms

endo-1,4-β-mannanase; endo-β-1,4-mannase; β-mannanase B; β-1, 4-mannan 4-mannanohydrolase; endo-β-mannanase; β-D-mannanase; mannan endo-1,4-β-mannosidase; 1,4-β-D-mannan mannanohydrolase; EC 3.2.1.78

### Product Information

#### Species

Clostridium thermocellum

#### Source

E. coli

#### Form

35 mM NaHepes buffer, pH 7.5, 750 mM NaCl, 200 mM imidazol, 3.5 mM CaCl<sub>2</sub>, 0.02% sodium azide and 25% (v/v) glycerol

#### EC Number

EC 3.2.1.78

#### CAS No.

37288-54-3

#### Molecular Weight

39.2 kDa

#### Purity

>90% by SDS-PAGE

#### Concentration

0.25 mg/mL

#### Optimum pH

6

#### Optimum temperature

37 °C

#### Specificity

LBG (less galacto-substituted mannan), guar gum

### Storage and Shipping Information

#### Storage

This enzyme is shipped at room temperature but should be stored at -20 °C.