

## 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

<b>Species</b>	Clostridium thermocellum
<b>Source</b>	E. coli
<b>Form</b>	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
<b>EC Number</b>	EC 3.2.1.78
<b>CAS No.</b>	37288-54-3
<b>Molecular Weight</b>	39.2 kDa
<b>Purity</b>	>90% by SDS-PAGE
<b>Concentration</b>	0.25 mg/mL
<b>Optimum pH</b>	6
<b>Optimum temperature</b>	37 °C
<b>Specificity</b>	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.