Creative Enzymes®

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 CaCl2, 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.