

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-mannanase; 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.

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1/1