

β-Mannanase 5A from Clostridium cellulovorans, Recombinant

Cat. No. NATE-1461

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 cellulovorans

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

38.8 kDa

Purity

>50% by SDS-PAGE

Concentration

1 mg/mL

Optimum pH

7

Optimum temperature

45 °C

Specificity

Glucomannan, locust bean gum, gum, β-mannan, galactomannan but it does not hydrolyze CMC

Storage and Shipping Information

Storage

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