

## 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 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** 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.