

## Galactanase 53A from Bacillus subtilis, Recombinant

Cat. No. NATE-1388

Lot. No. (See product label)

### Introduction

**Description** Arabinogalactan endo-beta-1,4-galactanase is an enzyme with system name arabinogalactan 4-beta-D-galactanohydrolase. The enzyme specifically hydrolyses (1->4)-beta-D-galactosidic linkages in type I arabinogalactans.

**Synonyms** EC 3.2.1.89; endo-1,4-beta-galactanase; galactanase; arabinogalactanase; ganB (gene); Arabinogalactan endo-beta-1,4-galactanase; arabinogalactan 4-beta-D-galactanohydrolase; endo-1,4- $\beta$ -Galactanase

### Product Information

**Species** Bacillus subtilis

**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 3.2.1.89

**CAS No.** 58182-40-4

**Molecular Weight** 46.7 kDa

**Purity** >90% by SDS-PAGE

**Concentration** 1 mg/mL

**Optimum pH** 6.0-10.0

**Optimum temperature** 60 °C

**Specificity** Galactans in particular soybean arabinogalactan which contains P-1,4-galactosidic linkages in its main chain structure

### Storage and Shipping Information

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