Creative Enzymes®

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-β-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 CaCl2, 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.