

Galactanase 53A from Clostridium thermocellum, Recombinant

Cat. No. NATE-1390

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

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 3.2.1.89

CAS No.

58182-40-4

Molecular Weight

36.4 kDa

Purity

>90% by SDS-PAGE

Activity

10000 U/mg

Concentration

1.5 mg/mL

Optimum pH

5.0-7.5

Optimum temperature

65 °C

Specificity

1,4-β-galactans

Storage and Shipping Information

Storage

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