

Glucuronoxylanase 30A from Clostridium thermocellum, Recombinant

Cat. No. NATE-1514

Lot. No. (See product label)

Introduction

Description

Glucuronoarabinoxylan endo-1,4-beta-xylanase (EC 3.2.1.136, feraxan endoxylanase, feraxanase, endoarabinoxylanase, glucuronoxylan xylohydrolase, glucuronoxylanase, glucuronoxylan xylanohydrolase, glucuronoarabinoxylan 1,4-beta-D-xylanohydrolase) is an enzyme with systematic name glucuronoarabinoxylan 4-beta-D-xylanohydrolase. This enzyme catalyses the following chemical reaction: Endohydrolysis of (1->4)-beta-D-xylosyl links in some glucuronoarabinoxylans. This enzyme has high activity towards feruloylated arabinoxylans.

Synonyms

Glucuronoarabinoxylan endo-1,4-beta-xylanase; EC 3.2.1.136; feraxan endoxylanase; feraxanase; endoarabinoxylanase; glucuronoxylan xylohydrolase; glucuronoxylanase; glucuronoxylan xylanohydrolase; glucuronoarabinoxylan 1,4-beta-D-xylanohydrolase

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 3.2.1.136

CAS No.

123609-77-8

Molecular Weight

46.8 kDa

Purity

>90% as judged by SDS-PAGE

Concentration

0.5 mg/mL

Optimum pH

7

Optimum temperature

50 °C

Specificity

Glucuronoxylans

Storage and Shipping Information

Storage

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