

Xylosidase 43A from Bifidobacterium adolescentis, Recombinant

Cat. No. NATE-1526

Lot. No. (See product label)

Introduction

Description

Releases reducing sugars from birchwood xylan (X0502), also catalyzes the hydrolysis of 4-methylumbelliferyl- β -D-cellobioside and 4-methylumbelliferyl- β -D-glucopyranoside. This enzyme does not possess endo-xylanase, arabinoxylanase or β -glucanase activities. β -Xylosidase undergoes post-translation glycosylation which has been shown to be critical for its proper activity and stability. Deglycosylation altered the the optimum temperature and pH for activity and decreased its thermostability.

Synonyms

β -Xylosidase; EC 3.2.1.37; 9025-53-0; Xylosidase

Product Information

Species

Bifidobacterium adolescentis

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 3.2.1.37

CAS No.

9025-53-0

Molecular Weight

41.1 kDa

Purity

>90% as judged by SDS-PAGE

Concentration

1 mg/mL

Optimum pH

6

Optimum temperature

55 °C

Specificity

β -xylooligosaccharides and p-nitrophenyl- β -D-xylopyranoside

Storage and Shipping Information

Storage

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