

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.