Creative Enzymes®

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.