Creative Enzymes®

β-Xylosidase, thermostable, Recombinant

Cat. No. NATE-0789

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; β-Xylosidase, thermostable; 9025-53-0

Product Information

Source	E. coli
Form	liquid, Supplied as a solution in 50 mM Tris-HCl, pH 8.0, 100 mM NaCl, and 25% glycerol.
CAS No.	9025-53-0
Molecular Weight	mol wt 81 kDa
Purity	> 20 mg protein/mL (UV) > 90% (SDS-PAGE)
Activity	> 35 units/mg protein
Unit Definition	One xylosidase unit will produce 1 µmole of o-nitrophenol per minute at 70°C from a 1mM solution of o-nitrophenyl-β-xyloside in 50 mM sodium acetate at pH 5.8.

Storage and Shipping Information

Storage	2-8°C