Creative Enzymes®

Xylanase 11A & Acetyl xylan esterase 4A from Clostridium thermocellum, Recombinant

Cat. No. NATE-1536

Lot. No. (See product label)

Introduction

Description	In enzymology, an acetylxylan esterase (EC 3.1.1.72) is an enzyme that catalyzes a chemical reaction, the deacetylation of xylans and xylo-oligosaccharides. This enzyme belongs to the family of hydrolases, specifically those acting on carboxylic ester bonds.
Synonyms	Acetylxylan esterase; EC 3.1.1.72; 188959-24-2; 9000-82-2

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 3.2.1.8 and 3.1.1.72
Molecular Weight	72.5 kDa
Purity	>90% as judged by SDS-PAGE
Concentration	0.75 mg/mL
Optimum pH	4.5-8.0
Optimum temperature	65 °C
Specificity	Xylans, such as oat spelt xylan and arabinoxylan (GH11), and removes acetate from acetylated xylan (CE4)

Storage and Shipping Information

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