Creative Enzymes®

Acetyl xylan esterase from Bacillus subtilis, Recombinant

Cat. No. NATE-1534

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	Bacillus subtilis
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 3.1.1.72
CAS No.	188959-24-2;9000-82-2
Molecular Weight	28.0 kDa
Purity	>90% as judged by SDS-PAGE
Concentration	1 mg/mL
Optimum pH	8.5
Optimum temperature	35 °C
Specificity	7-aminocephalosporanic acid, cephalosporin C, p-nitrophenyl acetate, b-naphthyl acetate, glucose pentaacetate, and acetylated xylan

Storage and Shipping Information

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