Creative Enzymes®

Acetyl xylan esterase from Cellvibrio japonicus, Recombinant

Cat. No. NATE-1194

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

Source	Cellvibrio japonicus NCIMB 10462
Form	Supplied in 3.2 M ammonium sulphate
EC Number	EC 3.1.1.72
CAS No.	188959-24-2;9000-82-2
Molecular Weight	39090.9 Da
Purity	> 95 % as judged by SDS-PAGE
Activity	410.0 U/mg
Concentration	1845.2 U/ml
Optimum pH	8.5
Unit Definition	One unit is defined as the amount of enzyme required to release 1 micromole of pNP from pNP-acetate (0.27 mM) per minute at pH 8.5 and 25°C, in 0.1 M HEPES buffer, pH 8.5, as measured at 400 nm, and using an extinction coefficient of 18000 M-1cm-1.

Storage and Shipping Information

Storage	Store at 4°C (shipped at room temperature)