

Acetyl xylan esterase from *Clostridium thermocellum*, Recombinant

Cat. No. NATE-1195

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 Clostridium thermocellum

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 37700 Da

Purity > 95 % as judged by SDS-PAGE

Activity 175 U/mg

Concentration 262.5 U/ml

Optimum pH 7

Optimum temperature 50°C

Unit Definition One unit is defined as the amount of enzyme required to release 1 µmol of p-nitrophenol per minute from p-nitrophenyl acetate (1 mM) in 50 mM phosphate buffer, pH 7, at 50°C, containing 1 mg/ml of BSA.

Storage and Shipping Information

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