Creative Enzymes®

Pectin acetylesterase from Clostridium thermocellum, Recombinant

Cat. No. NATE-1224

Lot. No. (See product label)

Introduction

Description	Pectin acetylesterase catalyses the hydrolysis of acetate from acetylated pectins.
Synonyms	Pectinacetylesterase; PAE

Product Information

Source	Clostridium thermocellum
Form	Supplied in 3.2 M ammonium sulphate
EC Number	EC 3.1.1.-
Molecular Weight	23800 Da
Purity	> 95 % as judged by SDS-PAGE
Activity	100 U/mg
Concentration	200 U/ml
Optimum pH	6.5 (stable from 6 – 7.5)
Optimum temperature	50°C (stable up to 60°C)
Unit Definition	One unit is defined as the amount of enzyme required to release 1µmol of p-nitrophenol per minute from p-nitrophenyl acetate (1 mM in the assay) in 50 mM phosphate buffer, pH 6.5, at 50°C, containing 1 mg/ml of BSA.

Usage and Packaging

Preparation Instructions	Agitate vial sufficiently to fully homogenise enzyme precipitate before use.

Storage and Shipping Information

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