

Pectin acetylerase from *Clostridium thermocellum*, Recombinant

Cat. No. NATE-1224

Lot. No. (See product label)

Introduction

Description Pectin acetylerase catalyses the hydrolysis of acetate from acetylated pectins.

Synonyms Pectinacetylerase; 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)