

## 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)