

## Pectin methylesterase from *Streptomyces avermitilis*, Recombinant

Cat. No. NATE-1225

Lot. No. (See product label)

### Introduction

**Description** Pectinesterase catalyzes the hydrolysis of the methyl esters of pectin to yield pectate and methanol.

**Synonyms** Pectinesterase; EC 3.1.1.11; pectin demethoxylase; pectin methoxylase; pectin methylesterase; pectase; pectin methyl esterase; pectinoesterase; pectin pectylhydrolase; 9025-98-3

### Product Information

**Source** Streptomyces avermitilis MA-4680

**Form** Supplied in 3.2 M ammonium sulphate

**EC Number** EC 3.1.1.11

**CAS No.** 9025-98-3

**Molecular Weight** 39613.8 Da

**Purity** > 90 % as judged by SDS-PAGE

**Activity** 27.48 U/mg

**Concentration** 35.72 U/ml

**Optimum pH** ~ 8.5

**Unit Definition** One unit is defined as the amount of enzyme required to release 1 microequivalent of acid from pectin (5 mg/mL 89 % methyl-esterified) per minute at pH 7.5 and 30°C, in an un-buffered assay containing 100 mM NaCl, as measured titrimetrically using 0.02 M NaOH.

### 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)