

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)