Creative Enzymes®

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 30oC, 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)