Creative Enzymes®

Native Orange peel Pectinesterase

Cat. No. NATE-0537

Lot. No. (See product label)

Introduction

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

Applications Pectinesterase is used to hydrolyze methyl esters of pectin to pectate and methanol. It contains pectin methylesterase and pectin pectylhydrolase. This product is from orange peel and comes as a lyophilized powder. It contains (NH4)2SO4 and sodium chloride. It has been used to study the pectin methylesterase gene. The enzyme from Creative Enzymes has been used as a standard during the measurement of pectin methylesterase activity in sea buckthorn juices. It has been used in the hydrolysis of cell wall pectins while studying phyllotaxis in Arabidopsis. It has also been used to catalyze pectin hydrolysis (using an ultrasonic measurement device) for monitoring biological processes.

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 Orange peel

Form lyophilized powder; Contains (NH4)2SO4 and sodium chloride

EC Number EC 3.1.1.11

CAS No. 9025-98-3

Activity > 150 units/mg protein

Unit Definition One unit will release 1.0 microequivalent of acid from pectin per min at pH 7.5 at 30°C.

Storage and Shipping Information

Storage 2-8°C