Creative Enzymes®

Exo-pectate lyase from Erwinia chrysanthemi, Recombinant

Cat. No. NATE-1561

Lot. No. (See product label)

Introduction

Description	In enzymology, a pectate disaccharide-lyase (EC 4.2.2.9) is an enzyme that catalyzes the chemical reaction: Eliminative cleavage of 4-(4-deoxy-alpha-D-galact-4-enuronosyl)-D-galacturonate from the reducing end of pectate, i.e. de-esterified pectin. This enzyme belongs to the family of lyases, specifically those carbon-oxygen lyases acting on polysaccharides.
Synonyms	pectate disaccharide-lyase; EC 4.2.2.9; (1->4)-alpha-D-galacturonan reducing-end-disaccharide-lyase; pectate exo-lyase; exopectic acid transeliminase; exopectate lyase; exopolygalacturonic acid-trans-eliminase; PATE; exo-PATE; exo-PGL

Product Information

Species	Erwinia chrysanthemi
Source	E. coli
Form	35 mM NaHepes buffer, pH 7.5, 750 mM NaCl, 200 mM imidazol, 3.5 mM CaCl2, 0.02% sodium azide and 25% (v/v) glycerol
EC Number	EC 4.2.2.9
CAS No.	37290-87-2
Molecular Weight	43.9 kDa
Purity	>90% as judged by SDS-PAGE
Concentration	1 mg/mL
Optimum pH	7.0-9.0
Optimum temperature	37 °C
Specificity	Polygalacturonate

Storage and Shipping Information

Storage	This enzyme is shipped at room temperature but should be stored at -20 °C.