Creative Enzymes®

Oligogalacturonate lyase from Dickeya dadantii, Recombinant

Cat. No. NATE-1551

Lot. No. (See product label)

Introduction

Description	In enzymology, an oligogalacturonide lyase (EC 4.2.2.6) is an enzyme that catalyzes the chemical reaction: 4-(4-deoxy-beta-D-gluc-4-enuronosyl)-D-galacturonate → 2 5-dehydro-4-deoxy-D-glucuronate. Hence, this enzyme has one substrate, 4-(4-deoxy-beta-D-gluc-4-enuronosyl)-D-galacturonate, and one product, 5-dehydro-4-deoxy-D-glucuronate. This enzyme belongs to the family of lyases, specifically those carbon-oxygen lyases acting on polysaccharides.
Synonyms	Oligogalacturonide lyase; unsaturated oligogalacturonate transeliminase; OGTE; EC 4.2.2.6

Product Information

Species	Dickeya dadantii
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 4.2.2.6
CAS No.	9031-33-8
Molecular Weight	46.2 kDa
Purity	>90% as judged by SDS-PAGE
Concentration	1 mg/mL
Optimum pH	7.2
Optimum temperature	30 °C
Specificity	Oligogalacturonides

Storage and Shipping Information

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