

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.