

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.