

## Poly $\alpha$ -guluronate lyase from *Zobellia galactanivorans*, Recombinant

Cat. No. NATE-1563

Lot. No. (See product label)

### Introduction

**Description** In enzymology, a poly( $\alpha$ -L-guluronate) lyase (EC 4.2.2.11) is an enzyme that catalyzes the chemical reaction: Eliminative cleavage of polysaccharides containing a terminal  $\alpha$ -L-guluronate group, to give oligosaccharides with 4-deoxy- $\alpha$ -L-erythro-hex-4-enuronosyl groups at their non-reducing ends. This enzyme belongs to the family of lyases, specifically those carbon-oxygen lyases acting on polysaccharides.

**Synonyms** poly( $\alpha$ -L-1,4-guluronide) exo-lyase; alginase II; guluronate lyase; L-guluronan lyase; L-guluronate lyase; poly- $\alpha$ -L-guluronate lyase; polyguluronate-specific alginate lyase; poly( $\alpha$ -L-guluronate) lyase; EC 4.2.2.11

### Product Information

**Species** *Zobellia galactanivorans*

**Source** *E. coli*

**Form** 35 mM NaHepes buffer, pH 7.5, 750 mM NaCl, 200 mM imidazol, 3.5 mM CaCl<sub>2</sub>, 0.02% sodium azide and 25% (v/v) glycerol

**EC Number** EC 4.2.2.11

**CAS No.** 64177-88-4

**Molecular Weight** 29.1 kDa

**Purity** >90% as judged by SDS-PAGE

**Concentration** 1 mg/mL

**Optimum pH** 7.5

**Optimum temperature** 30 °C

**Specificity** Sodium alginate

### Storage and Shipping Information

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