

## Oligoalginate lyase from *Pseudomonas aeruginosa*, Recombinant

Cat. No. NATE-1546

Lot. No. (See product label)

### Introduction

**Description** Oligoalginate lyase is an enzyme from *Pseudomonas aeruginosa* that catalysis the degradation of alginate oligosaccharides by a  $\beta$ -elimination mechanism.

**Synonyms** Oligo-alginate lyase; Exo-oligoalginate lyase; EC 4.2.2.-

### Product Information

**Species** *Pseudomonas aeruginosa*

**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.-

**Molecular Weight** 27.2 kDa

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

**Concentration** 1 mg/mL

**Optimum pH** 8.5

**Optimum temperature** 40 °C

**Specificity** Alginate (preferably poly(MG) block structure)

### Storage and Shipping Information

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