

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 β -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 CaCl₂, 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.