Creative Enzymes®

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.