Creative Enzymes®

oligo-alginate lyase

Cat. No. EXWM-5102

Lot. No. (See product label)

Introduction

Description	The enzyme degrades unsaturated oligosaccharides produced by the action of alginate lyases (EC 4.2.2.3 and EC 4.2.2.11) on alginate, by repeatedly removing the unsaturated residue from the non-reducing end until only unsaturated monosaccharides are left. The enzyme catalyses a β-elimination reaction, generating a new unsaturated non-reducing end after removal of the pre-existing one.
Synonyms	aly (gene name) (ambiguous); oalS17 (gene name); oligoalginate lyase; exo-oligoalginate lyase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 4.2.2.26
Reaction	Cleavage of poly(4-deoxy-α-L-erythro-hexopyranuronoside) oligosaccharides with 4-deoxy-α-L-erythro-hex-4-enopyranuronosyl groups at their non-reducing ends into 4-deoxy-α-L-erythro-hex-4-enopyranuronate monosaccharides.
Notes	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage	Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.