Creative Enzymes®

mannuronan synthase

Cat. No. EXWM-2567

Lot. No. (See product label)

Introduction

Description	The enzyme catalyses the polymerization of β-D-mannuronate residues into a mannuronan polymer, an intermediate in the biosynthesis of alginate. It is found in brown algae and in alginate-producing bacterial species from the Pseudomonas and Azotobacter genera.
Synonyms	mannuronosyl transferase; alginate synthase (incorrect); alg8 (gene name); alg44 (gene name); GDP-D-mannuronate:alginate D-mannuronyltransferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.4.1.33
CAS No.	37257-31-1
Reaction	GDP-α-D-mannuronate + [(1→4)-β-D-mannuronosyl]n = GDP + [(1→4)-β-D-mannuronosyl]n+1
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 ℃.