Creative Enzymes®

cellulose synthase (GDP-forming)

Cat. No. EXWM-2523

Lot. No. (See product label)

Introduction

Description	Involved in the synthesis of cellulose. A similar enzyme [EC 2.4.1.12, cellulose synthase (UDP-forming)] utilizes UDP-glucose.
Synonyms	cellulose synthase (guanosine diphosphate-forming); cellulose synthetase; guanosine diphosphoglucose-1,4-β-glucan glucosyltransferase; guanosine diphosphoglucose-cellulose glucosyltransferase; GDP-glucose:1,4-β-D-glucan 4-β-D-glucosyltransferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.4.1.29
CAS No.	9027-18-3
Reaction	GDP-glucose + [(1→4)-β-D-glucosyl]n = GDP + [(1→4)-β-D-glucosyl]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 ℃.