Creative Enzymes®

cellulose synthase (UDP-forming)

Cat. No. EXWM-2345

Lot. No. (See product label)

Introduction

Description	Involved in the synthesis of cellulose. A similar enzyme utilizes GDP-glucose [EC 2.4.1.29 cellulose synthase (GDP-forming)].
Synonyms	UDP-glucose-β-glucan glucosyltransferase; UDP-glucose-cellulose glucosyltransferase; GS-I; β-1,4-glucosyltransferase; uridine diphosphoglucose-1,4-β-glucan glucosyltransferase; β-1,4-glucan synthase; β-1,4-glucan synthetase; β-glucan synthase; 1,4-β-D-glucan synthase; 1,4-β-glucan synthase; glucan synthase; UDP-glucose-1,4-β-glucan glucosyltransferase; uridine diphosphoglucose-cellulose glucosyltransferase; UDP-glucose:1,4-β-D-glucan 4-β-D-glucosyltransferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.4.1.12
CAS No.	9027-19-4
Reaction	UDP-glucose + [(1→4)-β-D-glucosyl]n = UDP + [(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 ℃.