

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 \rightarrow 4)- β -D-glucosyl] n = UDP + [(1 \rightarrow 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.