

## 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

$\text{GDP-glucose} + [(1\rightarrow4)\text{-}\beta\text{-D-glucosyl}]_n = \text{GDP} + [(1\rightarrow4)\text{-}\beta\text{-D-glucosyl}]_{n+1}$

#### 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.