

1,3-β-glucan synthase

Cat. No. EXWM-2578

Lot. No. (See product label)

Introduction

Description This enzyme belongs to the family of glycosyltransferases, specifically the hexosyltransferases.

Synonyms 1,3-β-D-glucan-UDP glucosyltransferase; UDP-glucose-1,3-β-D-glucan glucosyltransferase; callose synthetase; 1,3-β-D-glucan-UDP glucosyltransferase; UDP-glucose-1,3-β-D-glucan glucosyltransferase; paramylon synthetase; UDP-glucose-β-glucan glucosyltransferase; GS-II; (1,3)-β-glucan (callose) synthase; β-1,3-glucan synthase; β-1,3-glucan synthetase; 1,3-β-D-glucan synthetase; 1,3-β-D-glucan synthase; 1,3-β-glucan-uridine diphosphoglucosyltransferase; callose synthase; UDP-glucose-1,3-β-glucan glucosyltransferase; UDP-glucose:(1,3)β-glucan synthase; uridine diphosphoglucose-1,3-β-glucan glucosyltransferase; UDP-glucose:1,3-β-D-glucan 3-β-D-glucosyltransferase

Product Information

Form Liquid or lyophilized powder

EC Number EC 2.4.1.34

CAS No. 9037-30-3

Reaction $\text{UDP-glucose} + [(1\rightarrow3)\text{-}\beta\text{-D-glucosyl}]_n = \text{UDP} + [(1\rightarrow3)\text{-}\beta\text{-D-glucosyl}]_{n+1}$

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.