Creative Enzymes®

starch synthase (glycosyl-transferring)

Cat. No. EXWM-2437

Lot. No. (See product label)

Introduction

Description	The accepted name varies according to the source of the enzyme and the nature of its synthetic product, e.g. starch synthase, bacterial glycogen synthase. Similar to EC 2.4.1.11 [glycogen(starch) synthase] but the preferred or mandatory nucleoside diphosphate sugar substrate is ADP-α-D-glucose. The entry covers starch and glycogen synthases utilizing ADP-α-D-glucose.
Synonyms	ADP-glucose-starch glucosyltransferase; adenosine diphosphate glucose-starch glucosyltransferase; adenosine diphosphoglucose-starch glucosyltransferase; ADP-glucose starch synthase; ADP-glucose synthase; ADP-glucose transglucosylase; ADP-glucose-starch glucosyltransferase; ADPG starch synthetase; ADPG-starch glucosyltransferase; starch synthetase; ADP-glucose:1,4-α-D-glucan 4-α-D-glucosyltransferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.4.1.21
CAS No.	9030-10-8, 37338-93-5
Reaction	ADP-α-D-glucose + [(1→4)-α-D-glucosyl]n = ADP + [(1→4)-α-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 ℃.