Creative Enzymes®

glycogen(starch) synthase

Cat. No. EXWM-2336

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 (cf. EC 2.4.1.1, phosphorylase). Glycogen synthase from animal tissues is a complex of a catalytic subunit and the protein glycogenin. The enzyme requires glucosylated glycogenin as a primer; this is the reaction product of EC 2.4.1.186 (glycogenin glucosyltransferase). A similar enzyme utilizes ADP-glucose (EC 2.4.1.21, starch synthase).
Synonyms	UDP-glucose-glycogen glucosyltransferase; glycogen (starch) synthetase; UDP-glucose-glycogen glucosyltransferase; UDP-glycogen synthase; UDPG-glycogen synthetase; UDPG-glycogen transglucosylase; uridine diphosphoglucose-glycogen glucosyltransferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.4.1.11
CAS No.	9014-56-6
Reaction	UDP-glucose + [(1→4)-α-D-glucosyl]n = UDP + [(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 ℃.