

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 °C for short term. For long term storage, store it at -20 °C~-80 °C.