Creative Enzymes®

glucose-1-phosphate cytidylyltransferase

Cat. No. EXWM-3244

Lot. No. (See product label)

Introduction

Description	This enzyme belongs to the family of transferases, specifically those transferring phosphorus-containing nucleotide groups (nucleotidyltransferases). The systematic name of this enzyme class is CTP:alpha-D-glucose-1-phosphate cytidylyltransferase. Other names in common use include CDP glucose pyrophosphorylase, cytidine diphosphoglucose pyrophosphorylase, cytidine diphosphate glucose pyrophosphorylase, cytidine diphosphate-D-glucose pyrophosphorylase, and CTP:D-glucose-1-phosphate cytidylyltransferase. This enzyme participates in starch and sucrose metabolism and nucleotide sugars metabolism.
Synonyms	CDP glucose pyrophosphorylase; cytidine diphosphoglucose pyrophosphorylase; cytidine diphosphate glucose pyrophosphorylase; cytidine diphosphate-D-glucose pyrophosphorylase; CTP:D-glucose-1-phosphate cytidylyltransferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.7.7.33
CAS No.	9027-10-5
Reaction	CTP + α-D-glucose 1-phosphate = diphosphate + CDP-glucose
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 ℃.