

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