

glucose-1-phosphate adenyltransferase

Cat. No. EXWM-3238

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 ATP:alpha-D-glucose-1-phosphate adenyltransferase. Other names in common use include ADP glucose pyrophosphorylase, glucose 1-phosphate adenyltransferase, adenosine diphosphate glucose pyrophosphorylase, adenosine diphosphoglucose pyrophosphorylase, ADP-glucose pyrophosphorylase, ADP-glucose synthase, ADP-glucose synthetase, ADPG pyrophosphorylase, ADP:alpha-D-glucose-1-phosphate adenyltransferase and AGPase. This enzyme participates in starch and sucrose metabolism.

Synonyms

ADP glucose pyrophosphorylase; glucose 1-phosphate adenyltransferase; adenosine diphosphate glucose pyrophosphorylase; adenosine diphosphoglucose pyrophosphorylase; ADP-glucose pyrophosphorylase; ADP-glucose synthase; ADP-glucose synthetase; ADPG pyrophosphorylase; ADP:α-D-glucose-1-phosphate adenyltransferase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.7.7.27

CAS No.

9027-71-8

Reaction

ATP + α-D-glucose 1-phosphate = diphosphate + ADP-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.