Creative Enzymes®

UTP-glucose-1-phosphate uridylyltransferase

Cat. No. EXWM-3303

Lot. No. (See product label)

Introduction

Description UTP—glucose-1-phosphate uridylyltransferase is an enzyme found in yeast, plants, and mammals as it is a key player in carbohydrate metabolism. It has been studied significantly in plants as sugar metabolism and production is seen as important for understanding growth from an agricultural standpoint. Recently, human UDP-glucose pyrophosphorylase has been studied and crystallized, revealing a different type of regulation than other organisms previously studied. Its significance is derived from the many uses of UDP-Glucose including galactose usage, glycogen synthesis, glycoprotein synthesis, and glycolipid synthesis.

Synonyms UDP glucose pyrophosphorylase; glucose-1-phosphate uridylyltransferase; UDPG phosphorylase; UDPG pyrophosphorylase; uridine 5'-diphosphoglucose pyrophosphorylase; uridine diphosphoglucose pyrophosphorylase; uridine diphosphate-D-glucose pyrophosphorylase; uridine-diphosphate glucose pyrophosphorylase

Product Information

Form Liquid or lyophilized powder

EC Number EC 2.7.7.9

CAS No. 9026-22-6

Reaction UTP + α-D-glucose 1-phosphate = diphosphate + UDP-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 ℃.