

UDP-N-acetylglucosamine 1-carboxyvinyltransferase

Cat. No. EXWM-2807

Lot. No. (See product label)

Introduction

Description

This enzyme belongs to the family of transferases, specifically those transferring aryl or alkyl groups other than methyl groups. The systematic name of this enzyme class is phosphoenolpyruvate:UDP-N-acetyl-D-glucosamine 1-carboxyvinyltransferase. This enzyme participates in amino sugars metabolism and glycan biosynthesis.

Synonyms

MurA transferase; UDP-N-acetylglucosamine 1-carboxyvinyl-transferase; UDP-N-acetylglucosamine enolpyruvyltransferase; enolpyruvate transferase; phosphoenolpyruvate-UDP-acetylglucosamine-3-enolpyruvyltransferase; phosphoenolpyruvate:UDP-2-acetamido-2-deoxy-D-glucose 2-enoyl-1-carboxyethyltransferase; phosphoenolpyruvate:uridine diphosphate N-acetylglucosamine enolpyruvyltransferase; phosphoenolpyruvate:uridine-5'-diphospho-N-acetyl-2-amino-2-deoxyglucose 3-enolpyruvyltransferase; phosphopyruvate-uridine diphosphoacetylglucosamine pyruvatettransferase; pyruvate-UDP-acetylglucosamine transferase; pyruvate-uridine diphospho-N-acetylglucosamine transferase; pyruvate-uridine diphospho-N-acetyl-glucosamine transferase; pyruvic-uridine diphospho-N-acetylglucosaminyltransferase; phosphoenolpyruvate:UDP-N-acetyl-D-glucosamine 1-carboxyvinyltransferase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.5.1.7

CAS No.

9023-27-2

Reaction

phosphoenolpyruvate + UDP-N-acetyl- α -D-glucosamine = phosphate + UDP-N-acetyl-3-O-(1-carboxyvinyl)- α -D-glucosamine

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.