

UDP-N-acetylglucosamine kinase

Cat. No. EXWM-3007

Lot. No. (See product label)

Introduction

Description

Toxic component of a toxin-antitoxin (TA) module. The phosphorylation of UDP-N-acetyl-D-glucosamine results in the inhibition of EC 2.5.1.7, UDP-N-acetylglucosamine 1-carboxyvinyltransferase, the first committed step in cell wall synthesis, which is then blocked. The activity of this enzyme is inhibited when the enzyme binds to the cognate ϵ antitoxin.

Synonyms

UNAG kinase; ζ toxin; toxin PezT; ATP:UDP-N-acetyl-D-glucosamine 3'-phosphotransferase

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 2.7.1.176

Reaction

ATP + UDP-N-acetyl- α -D-glucosamine = ADP + UDP-N-acetyl- α -D-glucosamine 3'-phosphate

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.