Creative Enzymes®

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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.