Creative Enzymes®

anhydro-N-acetylmuramic acid kinase

Cat. No. EXWM-3001

Lot. No. (See product label)

Introduction

Description	This enzyme, along with EC 4.2.1.126, N-acetylmuramic acid 6-phosphate etherase, is required for the utilization of anhydro-N-acetylmuramic acid in proteobacteria. The substrate is either imported from the medium or derived from the bacterium's own cell wall murein during cell wall recycling. The product N-acetylmuramate 6-phosphate is produced as a 7:1 mixture of the α- and β-anomers.
Synonyms	anhMurNAc kinase; AnmK

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.7.1.170
Reaction	ATP + 1,6-anhydro-N-acetyl-β-muramate + H2O = ADP + N-acetylmuramate 6-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 ℃.