Creative Enzymes®

acetate kinase

Cat. No. EXWM-3167

Lot. No. (See product label)

Introduction

Description	Requires Mg2+ for activity. While purified enzyme from Escherichia coli is specific for acetate, others have found that the enzyme can also use propanoate as a substrate, but more slowly. Acetate can be converted into the key metabolic intermediate acetyl-CoA by coupling acetate kinase with EC 2.3.1.8, phosphate acetyltransferase. Both this enzyme and EC 2.7.2.15, propionate kinase, play important roles in the production of propanoate.
Synonyms	acetokinase; AckA; AK; acetic kinase; acetate kinase (phosphorylating)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.7.2.1
CAS No.	9027-42-3
Reaction	ATP + acetate = ADP + acetyl 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 ℃.