

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