Creative Enzymes®

[acetyl-CoA carboxylase] kinase

Cat. No. EXWM-3147

Lot. No. (See product label)

Introduction

Description	Phosphorylates and inactivates EC 6.4.1.2, acetyl-CoA carboxylase, which can be dephosphorylated and reactivated by EC 3.1.3.17, [phosphorylase] phosphatase. The enzyme is more active towards the dimeric form of acetyl-CoA carboxylase than the polymeric form. Phosphorylates serine residues.
Synonyms	acetyl coenzyme A carboxylase kinase (phosphorylating); acetyl-CoA carboxylase bound kinase; acetyl-CoA carboxylase kinase; acetyl-CoA carboxylase kinase (cAMP-independent); acetyl-CoA carboxylase kinase 2; acetyl-CoA carboxylase kinase-2; acetyl-CoA carboxylase kinase-3 (AMP-activated); acetyl-coenzyme A carboxylase kinase; ACK2; ACK3; AMPK; I-peptide kinase; STK5

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.7.11.27
CAS No.	77000-06-7
Reaction	ATP + [acetyl-CoA carboxylase] = ADP + [acetyl-CoA carboxylase] 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 ℃.