

## [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**  $\text{ATP} + [\text{acetyl-CoA carboxylase}] = \text{ADP} + [\text{acetyl-CoA carboxylase}] \text{ phosphate}$

**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.