

## biotin-[acetyl-CoA-carboxylase] ligase

Cat. No. EXWM-5784

Lot. No. (See product label)

### Introduction

**Description** This enzyme belongs to the family of ligases, specifically those forming generic carbon-nitrogen bonds. This enzyme participates in biotin metabolism. This protein may use the morphoein model of allosteric regulation.

**Synonyms** biotin-[acetyl-CoA carboxylase] synthetase; biotin-[acetyl coenzyme A carboxylase] synthetase; acetyl coenzyme A holocarboxylase synthetase; acetyl CoA holocarboxylase synthetase; biotin:apocarboxylase ligase; Biotin holoenzyme synthetase; HCS

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 6.3.4.15

**CAS No.** 37340-95-7

**Reaction**  $\text{ATP} + \text{biotin} + \text{apo-[acetyl-CoA:carbon-dioxide ligase (ADP-forming)]} = \text{AMP} + \text{diphosphate} + \text{[acetyl-CoA:carbon-dioxide ligase (ADP-forming)]}$

**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.