

## 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 morpheein 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

ATP + biotin + apo-[acetyl-CoA:carbon-dioxide ligase (ADP-forming)] = AMP + diphosphate + [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.