

## 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.

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