

## short-chain-enoyl-CoA hydratase

Cat. No. EXWM-4991

Lot. No. (See product label)

### Introduction

#### Description

The enzyme from the bacterium *Clostridium acetobutylicum* is part of the central fermentation pathway and plays a key role in the production of both acids and solvents. It is specific for short, C4-C6, chain length substrates and exhibits an extremely high turnover number for crotonyl-CoA. cf. EC 4.2.1.17, enoyl-CoA hydratase and EC 4.2.1.74, long-chain-enoyl-CoA hydratase.

#### Synonyms

3-hydroxybutyryl-CoA dehydratase; crotonase; crt (gene name)

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 4.2.1.150

#### Reaction

a short-chain (3S)-3-hydroxyacyl-CoA = a short-chain trans-2-enoyl-CoA + H<sub>2</sub>O

#### 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.