Creative Enzymes®

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 + H2O
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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.