Creative Enzymes®

4-hydroxybutanoyl-CoA dehydratase

Cat. No. EXWM-4961

Lot. No. (See product label)

Introduction

Description	Contains FAD and a [4Fe-4S] iron-sulfur cluster. The enzyme has been characterized from several microorganisms, including Clostridium kluyveri, where it participates in succinate fermentation, Clostridium aminobutyricum, where it participates in 4-aminobutyrate degradation, and Metallosphaera sedula, where it participates in the 3-hydroxypropionate/4-hydroxybutyrate cycle, an autotrophic CO2 fixation pathway found in some thermoacidophilic archaea.

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 4.2.1.120
Reaction	4-hydroxybutanoyl-CoA = (E)-but-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 ℃.