

## (R)-2-hydroxyisocaproyl-CoA dehydratase

Cat. No. EXWM-4998

Lot. No. (See product label)

### Introduction

**Description** The enzyme, isolated from the bacterium *Peptoclostridium difficile*, is involved in the reductive branch of L-leucine fermentation. It catalyses an  $\alpha/\beta$ -dehydration, which depends on the reductive formation of ketyl radicals on the substrate generated by injection of a single electron from the ATP-dependent activator protein HadI.

**Synonyms** 2-hydroxyisocaproyl-CoA dehydratase; HadBC

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 4.2.1.157

**Reaction** (R)-2-hydroxy-4-methylpentanoyl-CoA = 4-methylpent-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.