

## 3-isopropylmalate dehydratase

Cat. No. EXWM-5024

Lot. No. (See product label)

### Introduction

**Description** Forms part of the leucine biosynthesis pathway. The enzyme brings about the interconversion of the two isomers of isopropylmalate. It contains an iron-sulfur cluster.

**Synonyms** (2R,3S)-3-isopropylmalate hydro-lyase;  $\beta$ -isopropylmalate dehydratase; isopropylmalate isomerase;  $\alpha$ -isopropylmalate isomerase; 3-isopropylmalate hydro-lyase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 4.2.1.33

**CAS No.** 37290-72-5

**Reaction** (2R,3S)-3-isopropylmalate = (2S)-2-isopropylmalate (overall reaction); (1a) (2R,3S)-3-isopropylmalate = 2-isopropylmaleate + H<sub>2</sub>O; (1b) 2-isopropylmaleate + H<sub>2</sub>O = (2S)-2-isopropylmalate

**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.