

## enoyl-CoA hydratase 2

Cat. No. EXWM-4959

Lot. No. (See product label)

### Introduction

**Description** This enzyme catalyses a hydration step in peroxisomal  $\beta$ -oxidation. The human multifunctional enzyme type 2 (MFE-2) is a 79000 Da enzyme composed of three functional units: (3R)-hydroxyacyl-CoA dehydrogenase, 2-enoyl-CoA hydratase 2 and sterol carrier protein 2-like units. The enzymes from *Aeromonas caviae* and *Arabidopsis thaliana* are monofunctional enzymes. 2-Enoyl-CoA hydratase 3 from *Candida tropicalis* is a part from multifunctional enzyme type 2.

**Synonyms** 2-enoyl-CoA hydratase 2; AtECH2; ECH2; MaoC; MFE-2; PhajAc; D-3-hydroxyacyl-CoA hydro-lyase; D-specific 2-trans-enoyl-CoA hydratase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 4.2.1.119

**Reaction** (3R)-3-hydroxyacyl-CoA = (2E)-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.