Creative Enzymes®

# enoyl-CoA hydratase 2

*Cat. No. EXWM-4959*

*Lot. No.* (See product label)

## Introduction

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| ***Description*** | This enzyme catalyses a hydration step in peroxisomal β-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

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| ***Form*** | Liquid or lyophilized powder |
| ***EC Number*** | EC 4.2.1.119 |
| ***Reaction*** | (3R)-3-hydroxyacyl-CoA = (2E)-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

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| ***Storage*** | Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃. |