Creative Enzymes®

# acrylyl-CoA reductase (NADH)

*Cat. No. EXWM-1365*

*Lot. No.* (See product label)

## Introduction

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|---|---|
| ***Description*** | Contains FAD. The reaction is catalysed in the opposite direction to that shown. The enzyme from the bacterium Clostridium propionicum is a complex that includes an electron-transfer flavoprotein (ETF). The ETF is reduced by NADH and transfers the electrons to the active site. Catalyses a step in a pathway for L-alanine fermentation to propanoate. cf. EC 1.3.1.84, acrylyl-CoA reductase (NADPH). |

## Product Information

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|---|---|
| ***Form*** | Liquid or lyophilized powder |
| ***EC Number*** | EC 1.3.1.95 |
| ***Reaction*** | propanoyl-CoA + NAD+ = acryloyl-CoA + NADH + H+ |
| ***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 ℃. |