Creative Enzymes®

# (R)-2-hydroxyglutaryl-CoA dehydratase

*Cat. No. EXWM-5008*

*Lot. No.* (See product label)

## Introduction

| | |
|---|---|
| ***Description*** | The enzymes from the bacteria Acidaminococcus fermentans and Clostridium symbiosum are involved in the fermentation of L-glutamate. The enzyme contains [4F-4S] clusters, FMNH2 and riboflavin. It must be activated by an activator protein. Once activated, it can catalyse many turnovers. |
| ***Synonyms*** | hgdAB (gene names) |

## Product Information

| | |
|---|---|
| ***Form*** | Liquid or lyophilized powder |
| ***EC Number*** | EC 4.2.1.167 |
| ***Reaction*** | (R)-2-hydroxyglutaryl-CoA = (E)-glutaconyl-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

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