Creative Enzymes®

# 5-dehydro-4-deoxyglucarate dehydratase

*Cat. No. EXWM-5030*

*Lot. No.* (See product label)

## Introduction

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| ***Description*** | This enzyme belongs to the family of lyases, specifically the hydro-lyases, which cleave carbon-oxygen bonds. This enzyme participates in ascorbate and aldarate metabolism. |
| ***Synonyms*** | 5-keto-4-deoxy-glucarate dehydratase; 5-keto-4-deoxy-glucarate dehydratase; deoxyketoglucarate dehydratase; D-4-deoxy-5-ketoglucarate hydro-lyase; 5-dehydro-4-deoxy-D-glucarate hydro-lyase (decarboxylating) |

## Product Information

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| ***Form*** | Liquid or lyophilized powder |
| ***EC Number*** | EC 4.2.1.41 |
| ***CAS No.*** | 37290-77-0 |
| ***Reaction*** | 5-dehydro-4-deoxy-D-glucarate = 2,5-dioxopentanoate + H2O + CO2 |
| ***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 ℃. |