Creative Enzymes®

# D-glutamate(D-aspartate) oxidase

*Cat. No. EXWM-1471*

*Lot. No.* (See product label)

## Introduction

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| ***Description*** | A flavoprotein (FAD). D-Glutamate and D-aspartate are oxidized at the same rate. Other D-monoaminodicarboxylates, and other D- and L-amino acids, are not oxidized. cf. EC 1.4.3.7, D-glutamate oxidase and EC 1.4.3.1, D-aspartate oxidase. |
| ***Synonyms*** | D-glutamic-aspartic oxidase; D-monoaminodicarboxylic acid oxidase |

## Product Information

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|---|---|
| ***Form*** | Liquid or lyophilized powder |
| ***EC Number*** | EC 1.4.3.15 |
| ***CAS No.*** | 9029-20-3 |
| ***Reaction*** | (1) D-glutamate + H2O + O2 = 2-oxoglutarate + NH3 + H2O2; (2) D-aspartate + H2O + O2 = oxaloacetate + NH3 + H2O2 |
| ***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 ℃. |