Creative Enzymes®

# 2,4-diaminopentanoate dehydrogenase

*Cat. No. EXWM-1445*

*Lot. No.* (See product label)

## Introduction

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| ***Description*** | Also acts, more slowly, on 2,5-diaminohexanoate forming 2-amino-5-oxohexanoate, which then cyclizes non-enzymically to 1-pyrroline-2-methyl-5-carboxylate. |
| ***Synonyms*** | 2,4-diaminopentanoic acid C4 dehydrogenase |

## Product Information

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|---|---|
| ***Form*** | Liquid or lyophilized powder |
| ***EC Number*** | EC 1.4.1.12 |
| ***CAS No.*** | 39346-26-4 |
| ***Reaction*** | 2,4-diaminopentanoate + H2O + NAD(P)+ = 2-amino-4-oxopentanoate + NH3 + NAD(P)H + 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 ℃. |