Creative Enzymes®

# succinate-semialdehyde dehydrogenase (NAD+)

*Cat. No. EXWM-1130*

*Lot. No.* (See product label)

## Introduction

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|---|---|
| ***Description*** | This enzyme participates in the degradation of glutamate and 4-aminobutyrate. It is similar to EC 1.2.1.79 [succinate-semialdehyde dehydrogenase (NADP+)], and EC 1.2.1.16 [succinate-semialdehyde dehydrogenase (NAD(P)+)], but is specific for NAD+. |
| ***Synonyms*** | succinate semialdehyde dehydrogenase (NAD+); succinic semialdehyde dehydrogenase (NAD+); succinyl semialdehyde dehydrogenase (NAD+); succinate semialdehyde:NAD+ oxidoreductase |

## Product Information

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|---|---|
| ***Form*** | Liquid or lyophilized powder |
| ***EC Number*** | EC 1.2.1.24 |
| ***CAS No.*** | 9028-95-9 |
| ***Reaction*** | succinate semialdehyde + NAD+ + H2O = succinate + NADH + 2 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 ℃. |