

## succinate-semialdehyde dehydrogenase (NADP+)

Cat. No. EXWM-1181

Lot. No. (See product label)

### Introduction

#### Description

This enzyme participates in the degradation of glutamate and 4-aminobutyrate. It is similar to EC 1.2.1.24 [succinate-semialdehyde dehydrogenase (NAD+)], and EC 1.2.1.16 [succinate-semialdehyde dehydrogenase (NAD(P)+)], but is specific for NADP+. The enzyme from Escherichia coli is 20-fold more active with NADP+ than NAD+.

#### Synonyms

succinic semialdehyde dehydrogenase (NADP+); succinyl semialdehyde dehydrogenase (NADP+); succinate semialdehyde:NADP+ oxidoreductase; NADP-dependent succinate-semialdehyde dehydrogenase; GabD

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.2.1.79

#### Reaction

succinate semialdehyde + NADP+ + H<sub>2</sub>O = succinate + NADPH + 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

#### Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.