

## 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<sup>+</sup>)], and EC 1.2.1.16 [succinate-semialdehyde dehydrogenase (NAD(P)<sup>+</sup>)], but is specific for NADP<sup>+</sup>. The enzyme from *Escherichia coli* is 20-fold more active with NADP<sup>+</sup> than NAD<sup>+</sup>.

**Synonyms** succinic semialdehyde dehydrogenase (NADP<sup>+</sup>); succinyl semialdehyde dehydrogenase (NADP<sup>+</sup>); succinate semialdehyde:NADP<sup>+</sup> 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<sup>+</sup> + H<sub>2</sub>O = succinate + NADPH + 2 H<sup>+</sup>

**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.