

## succinate-semialdehyde dehydrogenase [NAD(P)+]

Cat. No. EXWM-1121

Lot. No. (See product label)

### Introduction

**Description** This enzyme belongs to the family of oxidoreductases, specifically those acting on the aldehyde or oxo group of donor with NAD<sup>+</sup> or NADP<sup>+</sup> as acceptor. The systematic name of this enzyme class is succinate-semialdehyde:NAD(P)<sup>+</sup> oxidoreductase. Other names in common use include succinate semialdehyde dehydrogenase (nicotinamide adenine, dinucleotide (phosphate)), and succinate-semialdehyde dehydrogenase [NAD(P)<sup>+</sup>]. This enzyme participates in 3 metabolic pathways: glutamate metabolism, tyrosine metabolism, and butanoate metabolism.

**Synonyms** succinate semialdehyde dehydrogenase (nicotinamide adenine dinucleotide (phosphate)); succinate-semialdehyde dehydrogenase [NAD(P)]

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.2.1.16

**CAS No.** 37250-88-7

**Reaction** succinate semialdehyde + NAD(P)<sup>+</sup> + H<sub>2</sub>O = succinate + NAD(P)H + 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.