

## 4-hydroxybutyrate dehydrogenase

Cat. No. EXWM-0347

Lot. No. (See product label)

### Introduction

**Description** This enzyme belongs to the family of oxidoreductases, specifically those acting on the CH-OH group of donor with NAD<sup>+</sup> or NADP<sup>+</sup> as acceptor. The systematic name of this enzyme class is 4-hydroxybutanoate:NAD<sup>+</sup> oxidoreductase. This enzyme is also called gamma-hydroxybutyrate dehydrogenase. This enzyme participates in butanoate metabolism and the degradation of the neurotransmitter 4-hydroxybutanoic acid.

**Synonyms** γ-hydroxybutyrate dehydrogenase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.1.1.61

**CAS No.** 9028-60-8

**Reaction** 4-hydroxybutanoate + NAD<sup>+</sup> = succinate semialdehyde + NADH + 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.