

## 3-hydroxyisobutyrate dehydrogenase

Cat. No. EXWM-0221

Lot. No. (See product label)

### Introduction

**Description** 3-hydroxyisobutyrate dehydrogenase is a tetrameric mitochondrial enzyme that catalyzes the NAD<sup>+</sup>-dependent, reversible oxidation of 3-hydroxyisobutyrate, an intermediate of valine catabolism, to methylmalonate semialdehyde.

**Synonyms** β-hydroxyisobutyrate dehydrogenase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.1.1.31

**CAS No.** 9028-39-1

**Reaction** 3-hydroxy-2-methylpropanoate + NAD<sup>+</sup> = 2-methyl-3-oxopropanoate + 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.