

## 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.