

## ketol-acid reductoisomerase (NAD+)

Cat. No. EXWM-0301

Lot. No. (See product label)

### Introduction

#### Description

The enzyme, characterized from the bacteria *Thermacetogenium phaeum* and *Desulfococcus oleovorans* and from the archaeon *Archaeoglobus fulgidus*, is specific for NADH [cf. EC 1.1.1.86, ketol-acid reductoisomerase (NADP+) and EC 1.1.1.383, ketol-acid reductoisomerase [NAD(P)+]].

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.1.1.382

#### Reaction

(2R)-2,3-dihydroxy-3-methylbutanoate + NAD<sup>+</sup> = (2S)-2-hydroxy-2-methyl-3-oxobutanoate + 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.