

## ketol-acid reductoisomerase [NAD(P)+]

Cat. No. EXWM-0302

Lot. No. (See product label)

### Introduction

#### Description

The enzyme, characterized from the bacteria *Hydrogenobaculum* sp. and *Syntrophomonas wolfei* subsp. *wolfei* and from the archaea *Metallosphaera sedula* and *Ignisphaera aggregans*, can use both NADH and NADPH with similar efficiency [cf. EC 1.1.1.86, ketol-acid reductoisomerase (NADP+) and EC 1.1.1.382, ketol-acid reductoisomerase (NAD+)].

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 1.1.1.383

**CAS No.** 9075-02-9

**Reaction** (2R)-2,3-dihydroxy-3-methylbutanoate + NAD(P)+ = (2S)-2-hydroxy-2-methyl-3-oxobutanoate + NAD(P)H + H+

**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.