

## hydroxymethylglutaryl-CoA reductase

Cat. No. EXWM-0372

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 (R)-mevalonate:NAD<sup>+</sup> oxidoreductase (CoA-acylating). Other names in common use include beta-hydroxy-beta-methylglutaryl coenzyme A reductase, beta-hydroxy-beta-methylglutaryl CoA-reductase, 3-hydroxy-3-methylglutaryl coenzyme A reductase, and hydroxymethylglutaryl coenzyme A reductase.

#### Synonyms

β-hydroxy-β-methylglutaryl coenzyme A reductase; β-hydroxy-β-methylglutaryl CoA-reductase; 3-hydroxy-3-methylglutaryl coenzyme A reductase; hydroxymethylglutaryl coenzyme A reductase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.1.1.88

#### CAS No.

37250-24-1

#### Reaction

(R)-mevalonate + CoA + 2 NAD<sup>+</sup> = 3-hydroxy-3-methylglutaryl-CoA + 2 NADH + 2 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.