

hydroxymethylglutaryl-CoA reductase (NADPH)

Cat. No. EXWM-0254

Lot. No. (See product label)

Introduction

Description

The enzyme is inactivated by EC 2.7.11.31 {[hydroxymethylglutaryl-CoA reductase (NADPH)] kinase} and reactivated by EC 3.1.3.47 {[hydroxymethylglutaryl-CoA reductase (NADPH)]-phosphatase}.

Synonyms

hydroxymethylglutaryl coenzyme A reductase (reduced nicotinamide adenine dinucleotide phosphate); 3-hydroxy-3-methylglutaryl-CoA reductase; β -hydroxy- β -methylglutaryl coenzyme A reductase; hydroxymethylglutaryl CoA reductase (NADPH); S-3-hydroxy-3-methylglutaryl-CoA reductase; NADPH-hydroxymethylglutaryl-CoA reductase; HMGCoA reductase-mevalonate:NADP-oxidoreductase (acetylating-CoA); 3-hydroxy-3-methylglutaryl CoA reductase (NADPH); hydroxymethylglutaryl-CoA reductase (NADPH₂)

Product Information

Form

Liquid or lyophilized powder

EC Number

EC 1.1.1.34

CAS No.

9028-35-7

Reaction

(R)-mevalonate + CoA + 2 NADP⁺ = (S)-3-hydroxy-3-methylglutaryl-CoA + 2 NADPH + 2 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.