Creative Enzymes®

[hydroxymethylglutaryl-CoA reductase (NADPH)] kinase

Cat. No. EXWM-3152

Lot. No. (See product label)

Introduction

Description The enzyme is activated by AMP. EC 1.1.1.34, hydroxymethylglutaryl-CoA reductase (NADPH) is inactivated by the phosphorylation of the enzyme protein. Histones can also act as acceptors. The enzyme can also phosphorylate hepatic acetyl-CoA carboxylase (EC 6.4.1.2) and adipose hormone-sensitive lipase (EC 3.1.1.79). Thr-172 within the catalytic subunit (α-subunit) is the major site phosphorylated by the AMP-activated protein kinase kinase. GTP can act instead of ATP

Synonyms AMPK; AMP-activated protein kinase; HMG-CoA reductase kinase; β-hydroxy-β-methylglutaryl-CoA reductase kinase; [hydroxymethylglutaryl-CoA reductase (NADPH2)] kinase; 3-hydroxy-3-methylglutaryl coenzyme A reductase kinase; 3-hydroxy-3-methylglutaryl-CoA reductase kinase; hydroxymethylglutaryl coenzyme A reductase kinase; hydroxymethylglutaryl coenzyme A reductase kinase (phosphorylating); hydroxymethylglutaryl-CoA reductase kinase; reductase kinase; STK29

Product Information

Form Liquid or lyophilized powder

EC Number EC 2.7.11.31

CAS No. 172522-01-9

Reaction ATP + [hydroxymethylglutaryl-CoA reductase (NADPH)] = ADP + [hydroxymethylglutaryl-CoA reductase (NADPH)] phosphate

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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.