Creative Enzymes®

[3-methyl-2-oxobutanoate dehydrogenase (acetyl-transferring)] kinase

Cat. No. EXWM-3155

Lot. No. (See product label)

Introduction

Description	The enzyme has no activating compound but is specific for its substrate. It is a mitochondrial enzyme associated with the branched-chain 2-oxoacid dehydrogenase complex. Phosphorylation inactivates EC 1.2.4.4, 3-methyl-2-oxobutanoate dehydrogenase (2-methylpropanoyl-transferring).
Synonyms	BCK; BCKD kinase; BCODH kinase; branched-chain α-ketoacid dehydrogenase kinase; branched-chain 2-oxo acid dehydrogenase kinase; branched-chain keto acid dehydrogenase kinase; branched-chain oxo acid dehydrogenase kinase (phosphorylating); STK2

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.7.11.4
CAS No.	82391-38-6
Reaction	ATP + [3-methyl-2-oxobutanoate dehydrogenase (acetyl-transferring)] = ADP + [3-methyl-2-oxobutanoate dehydrogenase (acetyl-transferring)] 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 ℃.