

## [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  $\alpha$ -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 °C for short term. For long term storage, store it at -20 °C~-80 °C.