

[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 $\text{ATP} + [\text{3-methyl-2-oxobutanoate dehydrogenase (acetyl-transferring)}] = \text{ADP} + [\text{3-methyl-2-oxobutanoate dehydrogenase (acetyl-transferring)}] \text{ phosphate}$

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.