Creative Enzymes®

pantoate-β-alanine ligase (ADP-forming)

Cat. No. EXWM-5762

Lot. No. (See product label)

Introduction

Description	The enzyme, characterized from the archaeon Methanosarcina mazei, is involved in the biosynthesis of pantothenate. It is different from EC 6.3.2.1, the AMP-forming pantoate-β-alanine ligase found in bacteria and eukaryota.
Synonyms	pantothenate synthetase (ambiguous); pantoate-β-alanine ligase (ambiguous)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 6.3.2.44
Reaction	ATP + (R)-pantoate + β-alanine = ADP + phosphate + (R)-pantothenate
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 ℃.