Creative Enzymes®

pantoate-β-alanine ligase (AMP-forming)

Cat. No. EXWM-5730

Lot. No. (See product label)

Introduction

Description	This enzyme belongs to the family of ligases, specifically those forming carbon-nitrogen bonds as acid-D-amino-acid ligases (peptide synthases). This enzyme participates in beta-alanine metabolism and pantothenate and CoA biosynthesis.
Synonyms	pantothenate synthetase; pantoate activating enzyme; pantoic-activating enzyme; D-pantoate:β-alanine ligase (AMP-forming); pantoate-β-alanine ligase (ambiguous)

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 6.3.2.1
CAS No.	9023-49-8
Reaction	ATP + (R)-pantoate + β-alanine = AMP + diphosphate + (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 ℃.