

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 $\text{ATP} + (\text{R})\text{-pantoate} + \beta\text{-alanine} = \text{ADP} + \text{phosphate} + (\text{R})\text{-pantothenate}$

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 °C for short term. For long term storage, store it at -20 °C~-80 °C.