Creative Enzymes®

pantoate kinase

Cat. No. EXWM-2999

Lot. No. (See product label)

Introduction

Description	The conversion of (R)-pantoate to (R)-4'-phosphopantothenate is part of the pathway leading to biosynthesis of 4'-phosphopantetheine, an essential cofactor of coenzyme A and acyl-carrier protein. In bacteria and eukaryotes this conversion is performed by condensation with β-alanine, followed by phosphorylation (EC 6.3.2.1 and EC 2.7.1.33, respectively). In archaea the order of these two steps is reversed, and phosphorylation precedes condensation with β-alanine.
Synonyms	PoK; TK2141 protein

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.7.1.169
Reaction	ATP + (R)-pantoate = ADP + (R)-4-phosphopantoate
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 ℃.