Creative Enzymes®

carbamate kinase

Cat. No. EXWM-3174

Lot. No. (See product label)

Introduction

Description	This enzyme belongs to the family of transferases, specifically those transferring phosphorus-containing groups (phosphotransferases) with a carboxy group as acceptor. The systematic name of this enzyme class is ATP:carbamate phosphotransferase. Other names in common use include CKase, carbamoyl phosphokinase, and carbamyl phosphokinase. This enzyme participates in 4 metabolic pathways: purine metabolism, glutamate metabolism, arginine and proline metabolism, and nitrogen metabolism.
Synonyms	CKase carbamoyl phosphokinase; carbamyl phosphokinase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.7.2.2
CAS No.	9026-69-1
Reaction	ATP + NH3 + CO2 = ADP + carbamoyl 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.