Creative Enzymes®

UMP/CMP kinase

Cat. No. EXWM-3195

Lot. No. (See product label)

Introduction

Description	This eukaryotic enzyme is a bifunctional enzyme that catalyses the phosphorylation of both CMP and UMP with similar efficiency. dCMP can also act as acceptor. Different from the monofunctional prokaryotic enzymes EC 2.7.4.25, CMP kinase and EC 2.7.4.22, UMP kinase.
Synonyms	cytidylate kinase; deoxycytidylate kinase; CTP:CMP phosphotransferase; dCMP kinase; deoxycytidine monophosphokinase; UMP-CMP kinase; ATP:UMP-CMP phosphotransferase; pyrimidine nucleoside monophosphate kinase; uridine monophosphate-cytidine monophosphate phosphotransferase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.7.4.14
CAS No.	37278-21-0
Reaction	(1) ATP + (d)CMP = ADP + (d)CDP; (2) ATP + UMP = ADP + UDP
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 ℃.