Creative Enzymes®

1-phosphatidylinositol-4-phosphate 5-kinase

Cat. No. EXWM-3099

Lot. No. (See product label)

Introduction

Description	This enzyme can also phosphorylate PtdIns3P in the 4-position, and PtdIns, PtdIns3P and PtdIns(3,4)P2 in the 5-position in vitro, but to a lesser extent. The last of these reactions occurs in vivo and is physiologically relevant. Three different isoforms are known.
Synonyms	diphosphoinositide kinase; PIP kinase; phosphatidylinositol 4-phosphate kinase; phosphatidylinositol-4-phosphate 5-kinase; type I PIP kinase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.7.1.68
CAS No.	104645-76-3
Reaction	ATP + 1-phosphatidyl-1D-myo-inositol 4-phosphate = ADP + 1-phosphatidyl-1D-myo-inositol 4,5-bisphosphate
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 ℃.