Creative Enzymes®

diphosphoinositol-pentakisphosphate kinase

Cat. No. EXWM-3206

Lot. No. (See product label)

Introduction

Description	This enzyme is activated by osmotic shock. Ins(1,3,4,5,6)P5, 1D-myo-inositol diphosphate tetrakisphosphate and 1D-myo-inositol bisdiphosphate triphosphate are not substrates.
Synonyms	PP-IP5 kinase; diphosphoinositol pentakisphosphate kinase; ATP:5-diphospho-1D-myo-inositol-pentakisphosphate phosphotransferase; PP-InsP5 kinase; PPIP5K; PPIP5K1; PPIP5K2; VIP1; VIP2

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.7.4.24
Reaction	(1) ATP + 1D-myo-inositol 5-diphosphate 1,2,3,4,6-pentakisphosphate = ADP + 1D-myo-inositol 1,5-bis(diphosphate) 2,3,4,6-tetrakisphosphate; (2) ATP + 1D-myo-inositol hexakisphosphate = ADP + 1D-myo-inositol 1-diphosphate 2,3,4,5,6-pentakisphosphate
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 ℃.