

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 °C for short term. For long term storage, store it at -20 °C~-80 °C.