

## 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)P<sub>5</sub>, 1D-myo-inositol diphosphate tetrakisphosphate and 1D-myo-inositol bisdiphosphate triphosphate are not substrates.

**Synonyms** PP-IP<sub>5</sub> kinase; diphosphoinositol pentakisphosphate kinase; ATP:5-diphospho-1D-myo-inositol-pentakisphosphate phosphotransferase; PP-InsP<sub>5</sub> kinase; PPIP<sub>5</sub>K; PPIP<sub>5</sub>K1; PPIP<sub>5</sub>K2; 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.