

## phosphoinositide 5-phosphatase

Cat. No. EXWM-3639

Lot. No. (See product label)

### Introduction

**Description** These enzymes can also remove the 5-phosphate from Ins(1,4,5)P<sub>3</sub> and/or Ins(1,3,4,5)P<sub>4</sub>. They are a diverse family of enzymes, with differing abilities to catalyse two or more of the four reactions listed. They are thought to use inositol lipids rather than inositol phosphates as substrates in vivo. All of them can use either or both of PtdIns(4,5)P<sub>2</sub> and PtdIns(3,4,5)P<sub>3</sub> as substrates; this is the main property that distinguishes them from EC 3.1.3.56, inositol-polyphosphate 5-phosphatase.

**Synonyms** type II inositol polyphosphate 5-phosphatase; triphosphoinositide phosphatase; IP<sub>3</sub> phosphatase; PtdIns(4,5)P<sub>2</sub> phosphatase; triphosphoinositide phosphomonoesterase; diphosphoinositide phosphatase; inositol 1,4,5-triphosphate 5-phosphomonoesterase; inositol triphosphate 5-phosphomonoesterase; phosphatidylinositol-bisphosphatase; phosphatidyl-myo-inositol-4,5-bisphosphate phosphatase; phosphatidylinositol 4,5-bisphosphate phosphatase; polyphosphoinositol lipid 5-phosphatase; phosphatidyl-inositol-bisphosphate phosphatase

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 3.1.3.36

**CAS No.** 9036-01-5

**Reaction** 1-phosphatidyl-1D-myo-inositol 4,5-bisphosphate + H<sub>2</sub>O = 1-phosphatidyl-1D-myo-inositol 4-phosphate + phosphate

**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.