

## phosphatidylinositol-3,4,5-trisphosphate 5-phosphatase

Cat. No. EXWM-3692

Lot. No. (See product label)

### Introduction

**Description** This enzyme hydrolyses 1-phosphatidyl-1D-myo-inositol 3,4,5-trisphosphate (PtdIns(3,4,5)P3) to produce PtdIns(3,4)P2, thereby negatively regulating the PI3K (phosphoinositide 3-kinase) pathways. The enzyme also shows activity toward (PtdIns(1,3,4,5)P4). The enzyme is involved in several signal transduction pathways in the immune system leading to an adverse range of effects.

**Synonyms** SHIP1; SHIP2; SHIP; p150Ship

### Product Information

**Form** Liquid or lyophilized powder

**EC Number** EC 3.1.3.86

**Reaction** 1-phosphatidyl-1D-myo-inositol 3,4,5-trisphosphate + H<sub>2</sub>O = 1-phosphatidyl-1D-myo-inositol 3,4-bisphosphate + 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.