Creative Enzymes®

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)P3 and/or Ins(1,3,4,5)P4. 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)P2 and PtdIns(3,4,5)P3 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; IP3 phosphatase; PtdIns(4,5)P2 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 + H2O = 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.