phosphatidate phosphatase

Cat. No. EXWM-3643

Lot. No. (See product label)

Introduction

Description	This enzyme catalyses the Mg2+-dependent dephosphorylation of a 1,2-diacylglycerol-3-phosphate, yielding a 1,2-diacyl-sn-glycerol (DAG), the substrate for de novo lipid synthesis via the Kennedy pathway and for the synthesis of triacylglycerol. In lipid signalling, the enzyme generates a pool of DAG to be used for protein kinase C activation. The mammalian enzymes are known as lipins.
Synonyms	phosphatic acid phosphatase; acid phosphatidyl phosphatase; phosphatic acid phosphohydrolase; PAP, Lipin

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.1.3.4
CAS No.	9025-77-8
Reaction	a 1,2-diacylglycerol 3-phosphate + H2O = a 1,2-diacyl-sn-glycerol + 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 ℃.