

PIP5K1A 抗原（重组蛋白）

中文名称：PIP5K1A 抗原（重组蛋白）

英文名称：PIP5K1A Antigen (Recombinant Protein)

储存：冷冻（-20℃）

相关类别：抗原

概述：

Fusion protein corresponding to C terminal 250 amino acids of human PIP5K1A

技术规格：

Full name:	phosphatidylinositol-4-phosphate 5-kinase, type I, alpha
Swissprot:	Q99755
Gene Accession:	BC007833
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	Phosphatidylinositol-4-phosphate 5-kinase type-1 alpha is an enzyme that in humans is encoded by the PIP5K1A gene. Catalyzes the phosphorylation of phosphatidylinositol 4-phosphate (PtdIns4P) to form phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P2). PtdIns(4,5)P2 is involved in a variety of cellular processes and is the substrate to form phosphatidylinositol 3,4,5-trisphosphate (PtdIns(3,4,5)P3), another second messenger. The majority of PtdIns(4,5)P2 is thought to occur via type I phosphatidylinositol 4-phosphate 5-kinases given the abundance of PtdIns4P.