

## PIP5K1B 抗原（重组蛋白）

中文名称：PIP5K1B 抗原（重组蛋白）

英文名称：PIP5K1B Antigen (Recombinant Protein)

别名：MSS4; STM7

储存：冷冻（-20℃）

相关类别：抗原

概述：

Fusion protein corresponding to a region derived from 25-312 amino acids of human PIP5K1B

技术规格：

<b>Full name:</b>	phosphatidylinositol-4-phosphate 5-kinase, type I, beta
<b>Synonyms:</b>	MSS4; STM7
<b>Swissprot:</b>	O14986
<b>Gene Accession:</b>	BC030587
<b>Purity:</b>	>85%, as determined by Coomassie blue stained SDS-PAGE
<b>Expression system:</b>	Escherichia coli
<b>Tags:</b>	His tag C-Terminus, GST tag N-Terminus
<b>Background:</b>	Phosphatidylinositol-4-phosphate-5-kinase (PIPK) synthesizes phosphatidylinositol-4,5-bisphosphate, which regulates various processes including cell proliferation, survival, membrane trafficking, and cytoskeletal organization. The PIPK family is divided into type I, type II and type III. Each type of the PIPK family phosphorylate distinct substrates and they contain an activation loop, which determines their enzymatic specificity and subcellular targeting. The p

Phosphatidylinositol-4-phosphate-5-kinase type I consists of three members, PIPK I  $\alpha$ ,  $\beta$ , and  $\gamma$ , which are characterized by phosphorylating PI4P on the 5-hydroxyl. PIPK I  $\alpha$  (designated PIPK I  $\beta$  in mouse) is expressed in brain tissue. PIPK I  $\beta$ , designated PIPK I  $\alpha$  in mouse, is also called STM7. PIPK I  $\gamma$  has two variants produced by alternative splicing which are expressed in lung, brain, and kidneys.