

Product datasheet for **MC217732**

Pip5k1b (BC034864) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pip5k1b (BC034864) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pip5k1b
Synonyms:	STM7, Pipk5b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >BC034864
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGTCAACTGCTGAAAAATGGAGACGCCGTACCTGGAAAAACAAAACGAAGAAAAACCTACAAAAAGA
 CGGCATCGTCAGCTATTAAGGTGCTATCCAGCTGGGAATAGGATACACAGTGGCAACCTCACGTCCAA
 GCCAGAACCGGATGTCCTCATGCAAGACTTCTACGTGGTGGAAAGTGTGTTCTCCCCAGTGAAGGGAGC
 AACCTGACCCAGCACATCACTACCCAGACTTCAGGTTTAAAGACTACGCACCGCTGGCCTTCCGGTACT
 TCCGAGAACTCTTTGGTATCAAGCCGATGATTACTTGTACTCCATCTGCAGTGAACCTCTGATAGAACT
 GTCCAATCCTGGAGCCAGTGGTCCTTGTTTTTCTTGACCAGCGATGATGAATTTATCATAAAACCGTT
 CAGCATAAGGAAGCCGAGTTCCTGCAGAAGCTGCTGCCGGCTATTACATGAATTTAAACAGAATCCAA
 GGACTCTTCTGCCAAAATCTATGGGCTGTATTGCATGCAGTCAAGGAGGATCAACATCCGATTGTGGT
 GATGAACAATGTCTGCCGCGTCCATGAGGATGATTTGACCTATGACCTGAAAGGCTCCACATACAAG
 CGAAGAGCATCCCGAAAAGAGAGGGAGAAACCCAAACCCACGTTTAAAGGACTGGACTTCTGCAGGACA
 TGCACGAGGGGCTGTATTTTCGATACAGAAACATACAATGCCCTTATGAAGACACTACAGAGAGACTGCCG
 GGTTCGGAAAGCTTCAAGATCATGGACTACAGCCTTTTGTGGGTATCCACATCTTGGACCATTCCCTC
 AAAGACAAAGAAGAGGAGCCCTCCAAAACGTGCCTGATGCAAAGCGGCCGGGATGCAGAAAGTCTCT
 ATTCCACAGCCATGGAATCCATCCAGGGTCCAGGCAAGTCTGCAGATGGGATCATTGCAGAGAATCCAGA
 CACAATGGGAGGCATTCCAGCTAAAAGCCATAAGGGAGAGAAGCTGCTTCTATTCATGGGCATTATTGAC
 ATCCTCCAATCATATAGGTTAATGAAGAAGTTAGAACATTCCTGGAAAGCCCTTGTATGATGGGGACA
 CCGTTTCAGTTCATAGACCAAGTTTTTATGCAGATAGATTTTTAAAGTTTATGAATTCAGAGTTTTCAA
 GAAAATCAAGCCCTGGGATCCCGACACAGGCCGACCTGGTACCCAGCACTCCATCATTATTTGAAGCT
 GCTTCCTTAGCGACCACATATCATCTTCTTATATGTCGGCGAACACTATCCACATGACAGGACTA
 CCCTTTACTCAAACAGCAAAGGGTTACCTTCCAGTTCAACCTTACCTTGGAAAGGGGACCATCTACCT
 GACGGCTGAGCCAAACCCCTGGACCTGCAGGATGATGCCTCTGTGCTGGACGTCTATTTATA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: BC034864

Insert Size: 1464 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [BC034864](#), [AAH34864](#)

RefSeq Size: 2414 bp

RefSeq ORF: 1463 bp

Locus ID: 18719

Cytogenetics: 19 B

Gene Summary: Participates in the biosynthesis of phosphatidylinositol 4,5-bisphosphate. Mediates RAC1-dependent reorganization of actin filaments. Contributes to the activation of PLD2. Together with PIP5K1A is required after stimulation of G-protein coupled receptors for stable platelet adhesion.[UniProtKB/Swiss-Prot Function]