

Product datasheet for **MC218220**

Pip5k1b (NM_008846) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pip5k1b (NM_008846) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pip5k1b
Synonyms:	PI4P5K-I[b]; PIP5K1-beta; PIP5K1beta; Pipk5b; STM7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC218220 representing NM_008846
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGCAACTGCTGAAAATGGAGACGCCGTACCTGGAAAACAAAACGAAGAAAAACCTACAAAAGA
 CGGCATCGTCAGCTATTAAGGTGCTATCCAGCTGGGAATAGGATACACAGTGGCAACCTCACGTCCAA
 GCCAGAACCGGATGTCCTCATGCAAGACTTCTACGTGGTGGAAAGTGTGTTCTCCCCAGTGAAGGGAGC
 AACCTGACCCAGCACATCACTACCCAGACTTCAGGTTTAAAGACCTACGCACCGCTGGCCTTCCGGTACT
 TCCGAGAACTCTTTGGTATCAAGCCGATGATTACTTGTACTCCATCTGCAGTGAACCTCTGATAGAAT
 GTCCAATCCTGGAGCCAGTGGTCCTTGTTTTTCTTGACCAGCGATGATGAATTTATCATAAAACCGTT
 CAGCATAAGGAAGCCGAGTTCCTGCAGAAGCTGCTGCCGGCTATTACATGAATTTAAACCAAGATCCAA
 GGACTCTTCTGCCAAAATCTATGGGCTGTATTGCATGCAGTCAAGAGGCATCAACATCCGATTGTGGT
 GATGAACAATGTCTGCCGCGTCCATGAGGATGCATTTGACCTATGACCTGAAAGGCTCCACATACAAG
 CGAAGAGCATCCCGAAAAGAGAGGGAGAAACCCAAACCCACGTTTAAAGGACCTGGACTTCTGCAGGACA
 TGCACGAGGGGCTGTATTTTCGATACAGAAAACATACAATGCCCTTATGAAGACACTACAGAGAGACTGCCG
 GGTTCGGAAAGCTTCAAGATCATGGACTACAGCCTTTTGTGGGTATCCACATCTTGGACCATTCCCTC
 AAAGACAAAGAAGAGGAGCCCTCCAAAACGTGCCTGATGCAAAGCGGCCGGGATGCAGAAAGTCTCT
 ATTCCACAGCCATGGAATCCATCCAGGGTCCAGGCAAGTCTGCAGATGGGATCATTGCAGAGAATCCAGA
 CACAATGGGAGGCATTCCAGCTAAAAGCCATAAGGGAGAGAAGCTGCTTCTATTCATGGGCATTATTGAC
 ATCCTCCAATCATATAGGTTAATGAAGAAGTTAGAACATTCCTGGAAAGCCCTTGTATGATGGGGACA
 CCGTTTCAGTTCATAGACCAAGTTTTTATGCAGATAGATTTTTAAAGTTTATGAATTCAGAGTTTTCAA
 GAAAATTCAGCTCTGAAAGCCTCGCCTTCTAAGAAACGCTGCAACTCCATCGCTGCACTGAAGCAACC
 TCCAGGAGATCGTATCCTCCATCAGCCAGGAATGGAAGGACGAGAAGCGGGATTGTAAACCGAAGGAC
 AGAGTTTCAGCAGCCTGGATGAAGAAGCCTGGGATCCCGACACAGGCCCGACCTGGTACCCAGCACTCC
 ATCATTATTTGAAGCTGCTTCTTAGCGACCACAATATCATCTTCTTCTATATGTCGGCGAACACTAT
 CCACATGACAGGACTACCTTTACTCAAACAGCAAAGGGTTACCTTCCAGTTCAACCTTCACCTTGGAA
 AGGGGACCATCTACCTGACGGCTGAGCCAAACACCCTGGACCTGCAGGATGATGCCTCTGTGCTGGACGT
 CTATTTA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_008846

Insert Size: 1620 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: [NM_008846.2](#), [NP_032872.1](#)

RefSeq Size: 2528 bp

RefSeq ORF: 1620 bp

Locus ID: 18719

UniProt ID: [P70181](#)

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]