

Product datasheet for **RN200784**

Pip5k1b (NM_001012743) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pip5k1b (NM_001012743) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pip5k1b
Synonyms:	Pip5k1a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN200784 representing NM_001012743
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCGCAACTGCTGAAAAATGGAGACGCCGTACCTGGAAAAACAAAACGAAGAAAAACCTACAAAAAGA
 CTGCATCATCAGCTATTAAGGTGCCATTCAGCTGGGAATAGGATACACAGTGGTAATCTCACTTCCAA
 GCCAGAACCGCATGTCCTCATGCAAGACTTTTATGTGGTGAAAGTGATTCTCCCCAGTGAAGGGAGC
 AATCTGACCCAGCACATCACTACCCAGACTTCAGGTTTAAAGACATACGCCCCGCTGGCTTTCGGCTACT
 TCCGAGAACTCTTTGGTATCAAGCCGACGATTACTTGTACTCCATCTGCAGTGAACCGCTGATAGAAT
 GTCCAATCCTGGAGCCAGTGGATCCTTGTTTTTCTTGACCAGCGATGATGAATTTATTATCAAACTGTT
 CAGCATAAGGAAGCCGAGTTCCTGCAGAAGCTGCTGCCAGGCTATTACATGAATCTAAACCAGAATCCAA
 GGACTCTCCTGCCGAAATCTATGGTCTGTATTGCATGCAGTCAAGGAGGATCAACATCCGCATCGTGGT
 GATGAACAACGTGCTGCCGCGTGCCATGAGGATGCACTTGACCTATGACCTGAAAGGCTCCACGTACAAA
 CGAAGGGCGTCCCGAAAAGAGAGGGAGAAACCCAAACCCACGTTTAAAGGACCTGGACTTCTGCAGGACA
 TGCATGAGGGGCTGTATTTTCGATACAGAAACATACAATGCCCTTATGAAGACACTACAGAGAGACTGCCG
 GGTGCTGGAAAGCTTCAAGATCATGGACTACAGCCTTTTGTGGGTATCCACATCTTGGACCATTCCCTC
 AAAGACAAAGAAGAGGAGCCCTCCAAAATGCACCCGACGCAAAGCGGCCGGGATGCAGAAAGTCTCT
 ACTCCACAGCCATGGAGTCCATCCAGGGTCCAGGCAAGTCCGAGATGGGATCATTGCAGAGAACCAGA
 CACAATGGGAGGCATTCCAGCTAAAAGCCATAAGGGAGAAAAGCTGCTTCTATTCATGGGCATTATTGAT
 ATTCTCCAATCATATAGGTTAATGAAGAAGTTAGAACACTCCTGGAAAGCTCTTGTGTATGATGGGACA
 CCGTTTCAGTTCATAGACCAAGTTTTTATGCAGATAGATTTTTAAAGTTTATGAATTCAGAGTTTTCAA
 GAAAATCAAGCTCTGAAGGCCTCACCTTCTAAGAAACGGTGCAACTCCATCGCTGCACTGAAGCAACC
 TCCAGGAGATTCTGTCCTCCATCAGCCAAGAATGGAAGGATGAGAAGCAGGATCTGTTAACCGAAGGGC
 AGAGTTTCAGCAGCCTGGATGAAGAAGCCTGGGATCCCGACACAGGCCTGACCTGGTGCCAGCAGCGCC
 GTCATTATTTGAAGCTGCTTCTTAGCAACCACAATATCATCTTCTTCTATATGTCGGTGAGCACTAT
 CCACACGACAGGACTACGCTTACTCAAACAGCAAAGGGTTACCTTCCAGTTCAACCTTACCTTGGAAAG
 AGGGGACCATCTACCTGACTGCTGAGCCAAACGCCCTGGAACCGCAGGATGACGCCTCCGTGCTGGATGT
 CTATTTA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001012743

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_001012743.1](#), [NP_001012761.1](#)

RefSeq Size: 2915 bp

RefSeq ORF: 1620 bp

Locus ID: 309419

UniProt ID: [Q5CZZ9](#)

Cytogenetics: 1q51

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 (By similarity).[UniProtKB/Swiss-Prot Function]