

Product datasheet for **SC112057**

PIP4K2C (NM_024779) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PIP4K2C (NM_024779) Human Untagged Clone
Tag:	Tag Free
Symbol:	PIP4K2C
Synonyms:	PIP5K2C
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_024779, the custom clone sequence may differ by one or more nucleotides

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ATGGCGTCTCTCGGTCCCACCAGCCACGGTATCGGCGGCGACAGCAGGCCCCGGCCAGGTTTCGGCT
TCGCCTCCAAGACCAAGAAGAAGCATTTTCGTGCAGCAGAAGGTGAAGGTGTTCCGGGCGGCCGACCCGCT
GGTGGGTGTGTTCTGTGGGGCGTAGCCCACTCGATCAATGAGCTCAGCCAGGTGCCTCCCCGGTGATG
CTGCTGCCAGATGACTTTAAGGCCAGCTCCAAGATCAAGGTCAACAATCACCTTTCCACAGGGAAAATC
TGCCAGTCATTTCAAGTTCAAGGAGTATTGTCCCAGGTCTTCAGGAACCTCCGTGATCGATTTGGCAT
TGATGACCAAGATTACTTGGTGTCCCTACCCGAAACCCCCAGCGAAAGTGAAGGCAGTGATGGTCGC
TTCCTTATCTCCTACGATCGGACTCTGGTCATCAAAGAAGTATCCAGTGAGGACATTGCTGACATGCATA
GCAACCTCTCAACTATCACCAGTACATTGTGAAGTGCCATGGCAACACGCTTCTGCCCCAGTTCCTGGG
GATGTACCGAGTCAGTGTGGACAACGAAGACAGCTACATGCTTGTGATGCGCAATATGTTTAGCCACCGT
CTTCTGTGCACAGGAAGTATGACCTCAAGGGTCCCTAGTGTCCCGGAAGCCAGCGATAAGGAAAAGG
TTAAAGAATTGCCACCCTTAAGGATATGGACTTTCTCAACAAGAACCAGAAAAGTATATATTGGTGAAGA
GGAGAAGAAAATTTCTGGAGAAGCTGAAGAGAGATGTGGAGTTTCTAGTGCAGCTGAAGATCATGGAC
TACAGCCTTCTGCTAGGCATCCACGACATCATTCGGGGCTCTGAACCAGAGGAGGAAGCGCCCGTGCGGG
AGGATGAGTCAGAGGTGGATGGGACTGCAGCCTGACTGGACCTCTGCTCTGGTGGGCTCCTATGGCAC
CTCCCCAGAGGGTATCGGAGGCTACATCCATTCCATCGGCCCTGGGCCCAGGAGAGTTTGATCCTTTC
ATTGATGTCTATGCCATCCGGAGTGTGAAGGAGCCCCCAGAAGGAGGTCTACTTCATGGGCCTATTG
ATATCCTTACACAGTATGATGCCAAGAAGAAAGCAGCTCATGCAGCCAAAAGTCAAGCATGGGCTGG
GGCAGAGATCTCTACTGTCCATCCGGAGCAGTATGCTAAGCGATTCTGGATTTTATTACCAACATCTTT
GCCTAA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_024779 unedited</p> <pre>TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGCATCAAAGAAGTA TCCAGTGAGGACATTGCTGACATGCATAGCAACCTCTCCAATATCACCAGTACATTGTG AAGTGCCATGGCAACACGCTTCTGCCCCAGTTCCTGGGGATGTACCGAGTCAGTGTGGAC AACGAAGACAGCTACATGCTTGTGATGCGCAATATGTTTAGCCACCGTCTCCTGTGCAC AGGAAGTATGACCTCAAGGGTCCCTAGTGTCCCGGAAGCCAGCGATAAGGAAAAGGTT AAAGAATTGCCACCCTTAAGGATATGGACTTTCTCAACAAGAACCAGAAAGTATATATT GGTGAAGAGGAGAAGAAAATATTTCTGGAGAAGCTGAAGAGAGATGTGGAGTTTCTAGTG CAGCTGAAGATCATGGACTACAGCCTTCTGCTAGGCATCCACGACATCATTGGGGCTCT GAACCAGAGGAGGAAGCGCCCGTGGGGAGGATGAGTCAGAGGTGGATGGGGACTGCAGC CTGACTGGACCTCTGCTCTGGTGGGCTCCTATGGCACCTCCCCAGAGGGTATCGGAGGC TACATCCATTCCCATCGGCCCTGNGCCCAGGAGAGTTTGAGTCCTTCATTGATGTCTAT GCCATCCGGAGTGTGAAGGAGCCCCCAGAAAGAGGTCTACTTCATGGGCCTCATTGAT ATCCTACACAGTATGATGCCAAGAAGAAAGCAGCTCATGCAGCCAAAAGTCAAGCATG GGGCTGGGGCANAGATCTCTACTGTCCATCCGGAGCAGTATGCTCAGCGATTCTGGATT TTATAACAACATCTTTGCTAGAGACTGCCTGGTTCTCTCTGAAGTTCAAGG</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_024779 unedited</p> <pre>GGGGGGGGGTGTGGGGTGGTATGAGAATTATAANNNGNNTTTTAGATAATATATATT CCCTGTTTATAGCACAGGAACAGGTGACTAATACGGGAATTTTATTTATCATCCAAAAA AAGAAAAACAGAAGCAACAAAATGAAGACATCCATACTGGCCATAACACATCAGCCCA TATGATCAGAAAACCCATTTCTAAAGAGCAATGGTTGCTGGTGCACAGAGTTTTATTGC ATTCATCGGGGAAAGGGAGATGGTTGGAATGAAAAGATCCATCAGTCTTCTGACAGGA AGATGTTATATGGGGCTCCAACCCCTAACTGGTACTCCTCTTGTACACCTTTGGAG CAGAAGATGAAGGGGAGAGGGAGCTTCCCTATGGCCTCATGGCTTCTTGTGAGACAGA TCAGCCCACCCAGATACAGAGCACAGCAGCTTTCATCACCACAGGCCAGTTGCTGATGC CCAGCTTTATGTCTAAAAAATAAGTGAAGCCTCAATGGGGATGTGAGGATACTCG AAGAAATGGGTGCCTTGGCCCCAATATGCTTTGTTGGATAGGAAAAAATCACTCCACTAC GGCCCTCAACATTGTGAAACAATTCCCCTAAACCAATATTTTCGAGGAGCACGACCCAGCA CTCATGTCACAAAACACTCCGAAAGAAGTCACAAAACCTCACCATAACGCACCTTCT CCCCCGGCACCCACCCCGCCCTAGAACAGGCCTCACACAAGCTACCACCACATC CAATGGCAACAAAAGGCACAGTCAAAGGCACCTCGTACAGCATCAAACCTCCACCCAACC CTTTACACAACCTTCTCCAATGATGAATACACAACCAACTCGCNTACCACGCGCTGATCTT CCCAAAACAATCCCTATCTTACCCTCCTGACTCCCCCGCTCATGATTACCACACCGAAA ACATAATTTT</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_024779
Insert Size:	2820 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_024779.1](#), [NP_079055.1](#)

RefSeq Size: 3229 bp

RefSeq ORF: 669 bp

Locus ID: 79837

UniProt ID: [Q8TBX8](#)

Cytogenetics: 12q13.3

Domains: PIP5K

Protein Families: Druggable Genome

Protein Pathways: Inositol phosphate metabolism, Phosphatidylinositol signaling system, Regulation of actin cytoskeleton

Gene Summary: May play an important role in the production of Phosphatidylinositol bisphosphate (PIP2), in the endoplasmic reticulum.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longest transcript. Both variants 1 and 2 encode the same isoform (a).