

## Product datasheet for SC326958

### PIP4K2C (NM\_001146259) Human Untagged Clone

#### Product data:

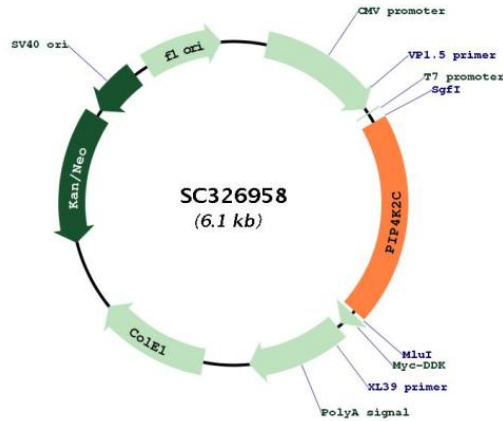
Product Type:	Expression Plasmids
Product Name:	PIP4K2C (NM_001146259) Human Untagged Clone
Tag:	Tag Free
Symbol:	PIP4K2C
Synonyms:	PIP5K2C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326958 representing NM_001146259. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAATACGACTACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGTCTCTCGGTCCCACCAGCCACGGTATCGGCGGCGACAGCAGGCCCGGCCAGGTTTCGGC
TTCGCCTCCAAGACCAAGAAGAAGCATTTCGTGCAGCAGAAGGTGAAGGTGTTCCGGGCGGCCGACCCG
CTGGTGGGTGTGTTCTGTGGGGCTAGCCACTCGATCAATGAGCTCAGCCAGGTGCCTCCCCGGTG
ATGCTGCTGCCAGATGACTTTAAGGCCAGCTCCAAGATCAAGGAGTATTGCCCCAGGTCTTCAGGAAC
CTCCGTGATCGATTTGGCATTGATGACCAAGATTACTTGGTGTCCCTTACCGAAACCCCCCAGCGAA
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GAGGACATTGCTGACATGCATAGCAACCTCTCCAATATCACCAGTACATTGTGAAGTGCCATGGCAAC
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ATGCGCAATATGTTTAGCCACCGTCTTCTGTGCACAGGAAGTATGACCTCAAGGTTTCCCTAGTGTCC
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AACCAGAAAGTATATATTGGTGAAGAGGAGAAGAAAATATTTCTGGAGAAGCTGAAGAGAGATGTGGAG
TTTCTAGTGCAGCTGAAGATCATGGACTACAGCCTTCTGCTAGGCATCCACGACATCATTCCGGGCTCT
GAACCAGAGGAGGAAGCGCCCGTGGGGAGGATGAGTCAGAGGTGGATGGGGACTGCAGCCTGACTGGA
CCTCCTGCTCTGGTGGGCTCCTATGGCACCTCCCAGAGGGTATCGGAGGCTACATCCATCCCATCGG
CCCTGGGCCAGGAGAGTTTGGTCTTTCATTGATGTCTATGCCATCCGGAGTGTGAAGGAGCCCCC
CAGAAGGAGGTCTACTTCATGGGCTCATTGATATCCTTACACAGTATGATGCCAAGAAGAAAGCAGCT
CATGCAGCCAAAAGTGTCAAGCATGGGGCTGGGGCAGAGATCTCTACTGTCCATCCGGAGCAGTATGCT
AAGCGATTCTGGATTTTATTACCAACATCTTTGCCTAA
ACGCGTACGCGGCCGCTCGAGCAGAAAATCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul



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**Plasmid Map:**


**ACCN:** NM\_001146259

**Insert Size:** 1212 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_001146259.1](#)

**RefSeq Size:** 3175 bp

**RefSeq ORF:** 1212 bp

**Locus ID:** 79837

**UniProt ID:** [Q8TBX8](#)

**Cytogenetics:** 12q13.3

<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Inositol phosphate metabolism, Phosphatidylinositol signaling system, Regulation of actin cytoskeleton
<b>MW:</b>	45.1 kDa
<b>Gene Summary:</b>	May play an important role in the production of Phosphatidylinositol bisphosphate (PIP2), in the endoplasmic reticulum.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) uses two alternate in-frame splice sites in the 5' coding region compared to variant 1. This results in a shorter protein (isoform b) compared to isoform a.