

Product datasheet for **SC326935**

PIP4K2C (NM_001146260) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PIP4K2C (NM_001146260) 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:	>SC326935 representing NM_001146260. Blue=Insert sequence Red=Cloning site Green=Tag(s)

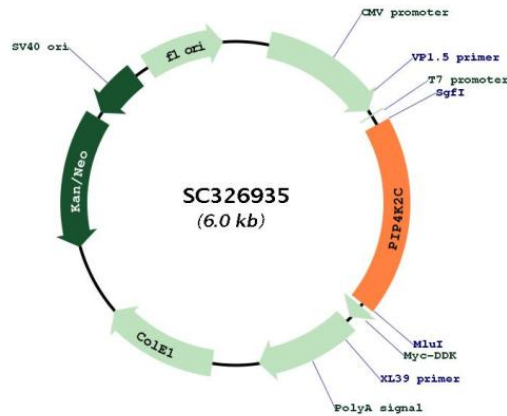
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GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGTCCTCCTCGGTCCCACCAGCCACGGTATCGGGCGGACAGCAGGCCCGGCCAGGTTTCGGC
TTCGCCTCCAAGACCAAGAAGAAGCATTTCGTGCAGCAGAAGGTGAAGGTGTTCCGGGCGGCCGACCCG
CTGGTGGGTGTTCCTGTGGGGCTAGCCACTCGATCAATGAGCTCAGCCAGGTGCCTCCCCGGTG
ATGCTGCTGCCAGATGACTTTAAGGCCAGCTCCAAGATCAAGGTCAACAATCACCTTTCCACAGGGAA
AATCTGCCAGTCATTTCAAGTTCAAGGAGTATTGTCCCAGGTCTTCAGGAACCTCCGTGATCGATTT
GGCATTGATGACCAAGATTACTTGTACATTGTGAAGTGCCATGGCAACACGCTTCTGCCAGTTTCTG
GGGATGTACCGAGTCAGTGTGGACAACGAAGACAGCTACATGCTTGTGATGCGCAATATGTTTAGCCAC
CGTCTTCTGTGCACAGGAAGTATGACCTCAAGGGTCCCTAGTGTCCCAGGAAGCCAGCGATAAGGAA
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GAAGAGGAGAAGAAAATTTCTGGAGAAGCTGAAGAGAGATGTGGAGTTTCTAGTGCAGCTGAAGATC
ATGGACTACAGCCTTCTGCTAGGCATCCACGACATCATTCCGGGCTCTGAACCAGAGGAGGAAGCGCC
GTGCGGGAGGATGAGTCAGAGGTGGATGGGACTGCAGCCTGACTGGACCTCTGCTCTGGTGGGCTCC
TATGGCACCTCCCAGAGGGTATCGGAGGCTACATCCATCCCATCGGCCCTGGGCCAGGAGAGTTT
GAGTCCTTCATTGATGTCTATGCCATCCGGAGTGTGAAGGAGCCCGCCAGAGGAGGTCTACTTCATG
GGCCTCATTGATATCCTTACACAGTATGATGCCAAGAAGAAGCAGCTCATGCAGCCAAAAGTGTCAAG
CATGGGGCTGGGCAGAGATCTCTACTGTCCATCCGGAGCAGTATGCTAAGCGATTCTGGATTTATT
ACCAACATCTTTGCC TAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001146260

Insert Size: 1122 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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:	<ol style="list-style-type: none">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:	<u>NM_001146260.1</u>
RefSeq Size:	3085 bp
RefSeq ORF:	1122 bp
Locus ID:	79837
UniProt ID:	<u>Q8TBX8</u>
Cytogenetics:	12q13.3
Protein Families:	Druggable Genome
Protein Pathways:	Inositol phosphate metabolism, Phosphatidylinositol signaling system, Regulation of actin cytoskeleton
MW:	41.9 kDa
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 (4) lacks an in-frame exon in the 5' coding region codon compared to variant 1. The encoded isoform (c) is shorter than isoform a.