

Product datasheet for **MR206691**

Pip4k2c (NM_054097) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pip4k2c (NM_054097) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pip4k2c
Synonyms:	Pip5k2c
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR206691 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGTCTCTCCGTCCTCCGCCACCGCACCGCGGACGTGGAGGCCCGCCGGGATTCCGGT
 TCGCTCCAAAACAAGAAGAAGCATTTCTGACAGCAGAAAGTGAAGGTGTTCCGGGCCGCGGACCCGCT
 GGTGGGCGTGTCTGTGGGGCTCGCTCACTCGATCAATGAGCTCAGCCAGGTACCGCCCCAGTGATG
 TTGCTGCCAGATGACTTTAAAGCCAGCTCCAAGATCAAGGTCAACAATCACTTTTTCCATAGAGAAAATC
 TTCCAGTCATTTCAAGTTCAAGGAGTATTGTCCCAGGTCTTCAGGAACCTGAGAGATCGGTTTCCCAT
 CGATGATCAGTACTTGGTGTCCCTTACTCGAAGCCCCCAAGCGAACTGAAGGCAGTGATGGCCGT
 TTCCTTATCTCCTATGACCGCACTCTGGTCATCAAGGAAGTGTGAGCGAAGATATTGCGGATATGCACA
 GCAACCTCTCCAACCTACCACAGTACATAGTAAATGTCATGGCAACACGCTTCTGCCCCAGTTCCTGGG
 CATGTACCGAGTCAGTGTAGAAAATGAAGACAGCTACATGCTCGTGATGCGCAATATGTTTAGTCATCGT
 CTTCTGTGCATAGGAAGTATGACCTCAAGGGCTCTTAGTGCCGGGAAGCCAGCGATAAGGAAAAGG
 TTAAGAAGTCCCAACACTAAAGGATATGGACTTCTTAACAAGAACCAGAAAAGTGTATATTGGTGAAGA
 AGAAAAGAAAGTATTCTGGAGAACTGAAGCGAGATGTGGAGTTTCTAGTGCAGCTGAAGATCATGGAC
 TACAGCTCCTGTTGGGCATCCACGACATATCCGGGGCTCTGAACCCGAGGAAGAGGGGCTGTGAGGG
 AGGAGGAGTCTGAGTGGGATGGGACTGTAACCTGGCTGGACCTCCCGCCCTGGTGGGCTCCTATGGTAC
 CTCCCCTGAGGGTATCGGAGGCTACATCCATTCCCACCGGCCCTGGGCCAGGAGATTTGAGTCTTTC
 ATCGATGTCTATGCTATCCGAGTGGGAGGGGGCCCCCAGAAGGAGGTGTATTTATGGGCCTCATTG
 ACATTTGACACAGTATGATGCCAAGAAGAAAGCAGCTCATGCAGCCAAGACTGTCAAGCATGGGCGGG
 GGCAGAGATCTCCACTGTCCATCCTGAGCAGTATGCTAAGCGATTCTGGACTTTATTGCCAACATCTTT
 GCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR206691 protein sequence
 Red=Cloning site Green=Tags(s)

MASSSVPPATAPAAAGGPGPGFGFASKTKKKHFVQQKVKVFRAADPLVGVFLWGVVHINELSQVPPVPM
 LLPDDFKASSKIKVNNHFFHRENLP SHFKFKEYCPQVFRNLRDFAIDDHDYLVSLTRSPSETEGSDGR
 FLISYDRTLVIKEVSSEDIADMHSNLSNYHQYIVKCHGNTLLPQFLGMYRVSVENEDSYMLVMRNMFSHR
 LPVHRKYDLKGSLSVREASDKEKVKELPTLKDMDFLNKNQKVYIGEEKKVFLEKLKRDVEFLVQLKIMD
 YSLLLGIHDIIRGSEPEEEGPRVEEESEWDGDCNLAGPPALVGSYGTSPGIGGYIHSRPLGPGEFESF
 IDVYAIRSAEGAPQKEVYFMGLIDILTQYDAKKKAHAHAAKTVKHGAGAEISTVHPEQYAKRFLDFIANIF
 A

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_054097

ORF Size: 1266 bp

OTI Disclaimer: 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 clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_054097.2](#), [NP_473438.1](#)

RefSeq Size: 3374 bp

RefSeq ORF: 1266 bp

Locus ID: 117150

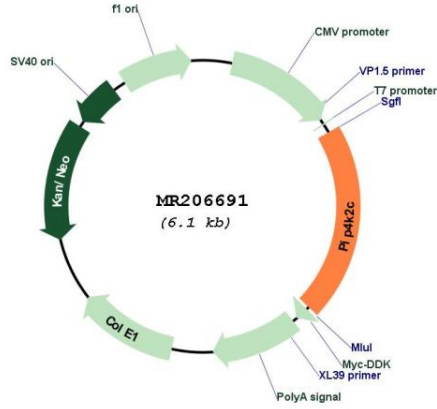
UniProt ID: [Q91XU3](#)

Cytogenetics: 10 D3

MW: 47.3 kDa

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

Product images:



Circular map for MR206691