

## Product datasheet for **MG206691**

### Pip4k2c (NM\_054097) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Pip4k2c (NM_054097) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Pip4k2c
Synonyms:	Pip5k2c
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206691 representing NM_054097 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGTCCTCCTCCGTCCCTCCCGCCACCGCACCCGCGGCAGCTGGAGGCCCGGCCGGGATTCCGGCT  
TCGCCTCCAAAACCAAGAAGAAGCATTTTCGTACAGCAGAAAGTGAAGGTGTTCCGGGCCGCGACCCGCT  
GGTGGGCGTGTCTGTGGGGCGTCGTCCTACTCGATCAATGAGCTCAGCCAGGTACCGCCCCAGTGATG  
TTGCTGCCAGATGACTTTAAAGCCAGCTCAAGATCAAGGTCAACAATCACTTTTTCCATAGAGAAAATC  
TTCCCAGTCATTTCAAGTTCAAGGAGTATTGTCCCAGGTCTTCAGGAACCTGAGAGATCGTTTTGCCAT  
CGATGATCACGATTACTTGGTGTCCCTTACTCGAAGCCCCCAAGCGAACTGAAGGCAGTGATGGCCGT  
TTCCCTATCTCCTATGACCGCACTCTGGTCATCAAGGAAGTGTGAGCGAAGATATTGCGGATATGCACA  
GCAACCTCTCAACTACCACCAGTACATAGTGAATGTCATGGCAACACGCTTCTGCCCCAGTTCCTGGG  
CATGTACCGAGTCAGTGTAGAAAATGAAGACAGCTACATGCTCGTGATGCGCAATATGTTTAGTCATCGT  
CTTCTGTGCATAGGAAGTATGACCTCAAGGGCTCTTAGTGTCCCGGGAAGCCAGCGATAAGGAAAAGG  
TAAAGAACTGCCAACACTAAAGGATATGGACTTTCTTAAACAAGAACCAGAAAGTGTATATTGGTGAAGA  
AGAAAAGAAAGTATTCTGGAGAACTGAAGCGAGATGTGGAGTTTCTAGTGCAGCTGAAGATCATGGAC  
TACAGCCTCCTGTTGGGCATCCACGACATCATCCGGGGCTCTGAACCCGAGGAAGAGGGGCTGTGAGGG  
AGGAGGAGTCTGAGTGGGATGGGGACTGTAACTGGCTGGACCTCCCGCCCTGGTGGGCTCCTATGGTAC  
CTCCCCTGAGGGTATCGGAGGCTACATCCATTCACCCGCCCCCTGGGCCAGGAGATTTGAGTCTTTC  
ATCGATGTCTATGCTATCCGGAGTGCAGGAGGGGCCCCCAGAAGGAGGTGATTTTCATGGGCCTCATTG  
ACATTCTGACACAGTATGATGCCAAGAAGAAAGCAGCTCATGCAGCCAAGACTGTCAAGCATGGGGCGGG  
GGCAGAGATCTCCACTGTCCATCCTGAGCAGTATGCTAAGCGATTCTGGACTTTATTGCCAACATCTTT  
GCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206691 representing NM\_054097  
 Red=Cloning site Green=Tags(s)

MASSSVPPATAPAAAGGPGPGFGFASKTKKKHFVQQKVKVFRAADPLVGVFLWVVAHSINELSQVPPVPM  
 LLPDDFKASSKIKVNNHFFHRENLP SHFKFKEYCPQVFRNLRDRFAIDDHDYLVSLTRSPSETEGSDGR  
 FLISYDRTLVIKEVSSEDIADMHSNLSNYHQYIVKCHGNTLLPQFLGMYRVSVENEDSYMLVMRNMFSHR  
 LPVHRKYDLKGSLSREASDKEKVKELPTLKMDDFLNKNQKVYIGEEKKVFLEKLRDVEFLVQLKIMD  
 YSLLLGIHDIIRGSEPEEEGVPREEESEWDGDCNLGAPPALVGSYGT SPEIGIGGYIHSRPLGPGEFESF  
 IDVYAIRSAEGAPQKEYVFMGLIDILTQYDAKKKAAHAAKTVKHGAGAEISTVHPEQYAKRFLDFIANIF  
 A

TRTRPLE - GFP Tag - V

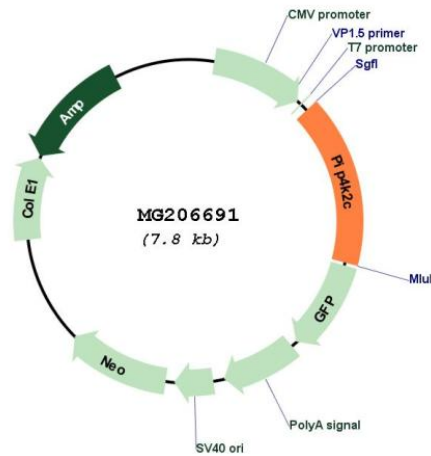
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM\_054097

<b>ORF Size:</b>	1263 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_054097.2</a> , <a href="#">NP_473438.1</a>
<b>RefSeq Size:</b>	3322 bp
<b>RefSeq ORF:</b>	1266 bp
<b>Locus ID:</b>	117150
<b>UniProt ID:</b>	<a href="#">Q91XU3</a>
<b>Cytogenetics:</b>	10 D3
<b>Gene Summary:</b>	May play an important role in the production of Phosphatidylinositol bisphosphate (PIP2), in the endoplasmic reticulum.[UniProtKB/Swiss-Prot Function]