

Product datasheet for **RN206800**

Pik3c2g (NM_053923) Rat Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Pik3c2g (NM_053923) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Pik3c2g |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >RN206800 representing NM_053923 Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCATACAATTGGCAAACAGAGCCAAACCGTGCTGAACCACAGGAAGGTGGACATGATCACCAGCAGT
GTCACCATGCAGACCAGCACCTTTCTCCAGGCAAGTCAGGTTGGGTTTTGATCAGCTTGTGGAAGAGCT
CAGTAACAAAACCTCCACTGCCTGAGGATGAAAAAGAAGGCACGTGTTTTGTACCAGATACACAAAACCTG
GATTCAAAATGGCAATCCATATATGGACCCACCCAAGGCACCTCAATGAATTCACCTCTCAGAGTCCCC
ACTTCTCCAGCTTCTTTTGGAAAAGCATCAGCCATTGGTTTTAATCCTGCTGTATTACCTGCACATCA
GTTTCATTCATGAGGGAGCCTCCTGGAGAAATCCCACAAGAAAATATCATGGTGGTGGAGATCCCAGGTTT
AGTGCTCTAACTCCGTATCCACTGGCTTGATAAATGTCATCAACAAGGACAATCAGGGACCGAACATT
GTAATATTATGTGGAACCTGAAAAAATGTTCCCATCATTATCCACCTACTCAATGGACTCCATACC
CGATAGTGAGGAAAAAGGAGTGGAGATGCGGATCTTGTAGAACCTTCTCTGGTGTCTCTAAAGACTCC
TTTCTACCCAGGGCATCGGAGAACATGTCAGTGGAAAGCACAGAGCCATTGGTTGCCCTTGAATAG
TTGAAGCACCCCAAGGGAGTAACAAGAGCCTCGCTCCTTTGCAACAATGTAACAAAAAAGAGGACT
ATATCATGCAAGTGACACTAATTCGAATCCGGAAGATCTGGCCATCACCACAGCCTATCCATCTCGG
CTTCTCGCTGACACCCAGTTCAGAGTAAAATTTCCACTGATAACTCGGCACAACCTCTTCTTCTAAGC
CACCCGCTAATTATCTTGCAAAGACCTAATTGCCGAAATCTACTTTTATGTGCAATGAGCAGCTTTC
CCCCAAAGAGTATCTTCTAAGTATATGCGGTTCTGAGGAATTTTACAGACGGATCACTGTCTAGGGAGC
CACAAAATATTTAGAAAAGTAAATCTGTCACTCACTCCATCTCCAGAGAAGCAGGGACTCCAGGAA
AATTATCCCGGAAGAGGGATGATGACCGCAGTCGGGTCCATCTGAACCAACTTCTAGAATTTACACATAT
TTGAAAATATCCAGACAATGCCTCTCCACAGTAAATGAAAAGCTACAACCTCCATGTGCGAGCACCTGTTG
AAAACCCAGGAAGATGTGGAGGAGAAACCTCTGTATCCATGTTTTCTGTGGCCGACACCTCCTCAGC
CACATGGGAATGACATTATTGAAGATGTTAGAAACATATGCAGTGTCTGGGGTGTATTGAAACCAACA
AGTTTCAGATGCAGTAAAAGAATACTAATTTCTGCAGAGACCATCACAGAATTTTCATCAGAATTCA
GAGACTTCAAAAAAAGGCTTCATAGAGAACGTGACATCGGAACGTGCGAGGTCCCTCCATCAGCTGGTTG
ACGTGACTGCAGTAGCTTTTGTACAGATTTCCGGCCTGCGCGGCACCTGGAGGCGTCTCCCGGACCA



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CGCTGGGCTCCACTCCCACCTGAGCTTCACGGTGTGTTCCCTGCACAATGTTCCAGAACTTGGGCACAC
 AGCTACAAAGCATTTTCATTTTCTGCTGGCTCACATATGCTGGGAAGAAGCTGTCCAAGTGAAGAGCT
 GCAGATCCCTGCCAGTCAAAAGTCATTCTCTTTTTCGGTGAAGTGAATGAAATAATCAATTTTCTCT
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 AGCGCAAATCTGCTGGCTGGACCTGCCTTCCACTATTTCCAAAAGAAAAGTCTCCGCTGGGGTCTAGGC
 TTCTCAGCATGACACTACAGAGTGAGCCTCCTATAGAAATGATGGCTCCAGGAGTATGGGATGGGAGCCA
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 AGCCTCCCTTGCTACTTTCTGTGAAAAGAGGAGATATTTGTGGTTTTATCGTTTCTACTGCAACAATGA
 GAACTCTCTCTCCCTCTGGTCTTGGGCAGCGCCCTGGTTGGGATGAAGGGACAGTTTCGGAAATGCAT
 GCCGTCTTGAGAAGTGGACATTTTCCATCCGTTGGAAGCTCTTGGCCTTTTGACTTCCAGTTTCCAG
 ACCAAGACATTCGTGAAGTTGCCGTTCAACAGTTAGACAACCTTCTGACCGATGAGCTGCTGGACTGCCT
 CCCACAGCTAGTTCAGGCTGTCAAGTTGAGTGGAGTCTCGAAAGTCCCTTGGTGAAGTCTGCTTCAT
 CGATCCTTGCAAAGCATCCGAGTGGCTCACCGCTGTTCTGGCTGCTGCGGGATGCAAGTGAAGACT
 ACTTTAAAAGCTGGTACCAGGAGCTTTTGGCCGCTCTCCAGTTCTGTGCAGGAGAAGCCCTGATCGAAGA
 GCTTTCCAAAAGAGCAGAACTTGTCAAACCTCTGGGTGATATTGGAGAAAAGTGAAGTCCGCTGGCGAT
 GCTCAGAGAAAAGGATGTGCTAAAGAAGGAGATTGGCAGTCTAGAAGAATCTTTAAAGATATAAAGACTT
 GCCATCTTCTCTGAACCCGGCCCTGTGCGTAAAAGGAATTGATCGGGATGCATGTTTCATATTTACATC
 TAATGCCTTGCCATTGAAGATCACTTTCATCAATGCTAATCCAATGGGCAAAAATATCAGTGTATTTTT
 AAGGCCGGCAGCATCTTCGGCAGGATATGCTTGTCTGCAGATTATTCAAGTATGGACAACGTTTGGC
 TTCAGGAGGGCCTCGATATGCAATGATCATTTATGGATGTCTAGCCACAGGAAAGGCTCAAGGATTCAT
 AGAGATGGTGCCTGATGCTGTAAACGCTTCCAAGATCCATCTGCACTCTGGGCTGATAGGACCCCTGAAA
 GAAAACACCATCAAGAAGTGGTTCAGTCAGCACAAACACTTAAAGGAAGATTATGAAAAGGCTTGGAGGA
 ACTTTTTTACTCTTGTGCTGGCTGGTGTGGTGACATTTCATCTTGGGAGTCTGTGACCGACATAATGA
 CAATATCATGCTGACAAAAGTCAAGCCACATGTTTCATATTGACTTTGAAAATTCTTGGGTCAAGCACAA
 ACATTTGGCGGTATAAAAAGGGACCGAGCGCTTTCATTTTTACTTCAAGATGGAGTACTTTATTACGG
 AGGGTGGGAAAAACACACAGCATTTTCAAGACTTCGTGGAACCTGCTGCAGAGCCTACAACATTGTGAG
 GAAGCACAGCCAACTGCTCCTGAGCCTTCTAGAAATGATGCTGCATGCCGGGCTTCTGAGCTGAGGGGG
 ATGAAGACCTGAAATACGTACACGACAATCTCCGGCCACAAGACACAGACCTGGAAGCCACAAGTCAAT
 TTACCACGAAGATAAAGCAGAGTCTGGAGTCTCCAGTTAACTGAATAACCTGATCCACACGCTTGC
 ACAGATGCCAGCCTTCAAGCTTCCAGACCTGCCCTCAGACTCCTCCCAGGAGTCTGCGTCCCTGAAT
 AAAACCAGGACAATTCAAGAGTCACAATTTTAGGGTTCAGCAAGACACACAGCAACCTGTACCTGATCG
 AGGTGACACGCAGCGACAACAGGAAAAACCTGGCCAAAAGTCTTTCGAGCAGTTTTACAGACTTACAG
 CCAGATTCAGAAGCAGTCCCCTTGTGACTCTCCAGAGTTTCTCACTGGTGGCATCTACCTTTCACA
 GACTCGCACCATGAGAGAATCCGAGATCTGAGTCACTACGTGGAACAGGTGCTGCACGGATCTTACGAAG
 TCGCAAACAGTGATTGTGTAAGTCAAGTTTTTCTCTGAAACATATAACACAGACCCTTGAAGACTCTCC
 ATTTGTGGACCCAGGTGACCATCTCCAGACAAGACCCCAAGTGCAGTTGCTGATGACCTATGAGGAC
 ACAAGCTCACCATCCTAGTAAACACTTGA AAAACATCCATCTCCAGATGGCTCAGCGCCAGCGCAC
 ACTGTTGAAATTTATCTTCTGCCACATCCAGTGAAGTTCGAGGAAGAAAACAAAGTGCCTTCCAAAATG
 CACTGACCCAACCTACAATGAAATTTGGTATATGATGACGTCTCAGGACTTCAAGGACATGTTTTAATG
 CTCATTGTGAAGAGCAAACTGTATTTGTGGGAGCGGTTAACATTCAAGCTCTGCAGTGTCCCCTCAATG
 AAGAAAAGTGGTACCATTAGGGAACAGTATCATCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_053923
Insert Size: 4518 bp

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| 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: | <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_053923.1</u> , <u>NP_446375.1</u> |
| RefSeq Size: | 5990 bp |
| RefSeq ORF: | 4518 bp |
| Locus ID: | 116720 |
| UniProt ID: | <u>O70173</u> |
| Cytogenetics: | 4q44 |
| Gene Summary: | catalyzes the addition of a phosphate group to the 3' position for phosphatidylinositol and PtdIns 4-P substrates, but not for PtdIns 4,5-P2 [RGD, Feb 2006] |