

Product datasheet for **MC224617**

Pik3c2g (NM_207683) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pik3c2g (NM_207683) Mouse Untagged Clone
Tag: Tag Free
Symbol: Pik3c2g
Synonyms: C80387; PI3K-C2-gamma
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224617 representing NM_207683
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCATACAGTTGGCAAACAGAGCCAAATCGCACTGAACCACAGGAAGATGGATCTGATACCCAACAAT
TTCACCATACAAACCAGCACCTTCTTCCAGGCAAGTCAGGTTGGGTTTTGATCAGCTGGTGAAGAGAT
CAATAATAAGACTCCACTGTCTGAGAGTAAAAGGAAGAAGACACGTATTTGTGCCAGATGCACCAAAAC
TTGGGTTCAAAATGGCCATCCATATATGAAACACACCCAAGATACTTCAGTGAATTCACCTCTCAGAGCC
CTGACTCCTCCCAGCTTCGGTTTTGGAAAATATCAGCCATTGGTTTTAATCCTGTGCTACTACCAACCCA
TCAGCTCATTGAGGGAGCTTCTGGAGAAATCCCAGTGGAAAATATCATGGCATCGAGTATCCCAGA
TTCGATGCTCTACCTCCATCATCCACTGGCCAGGGTGAGTGAATCCACAAGGACAATCAGGAACCAAAAC
ATCATAACTACTGTGGAGAACATGAAGGCAATCTCCCCATCATCTTCACTCACTCACTCACTCACTCACT
ACCGAATAGAGAGAAAAGAAGGAGTGGAGATGTGAACCTGTAGAACCTTCTCTGGAGTTCTCTAAAGAC
TCCTTTCTACCCAGGACATCGGAGAACGTGTGAGTGGAAAAGCAGAGCCGATTGGTTGTCCCATTGAAA
TAGTTGAGGTACCCAAGGGAGTAAACAAGAACCTGGCCTCCTTTTGTAAACAAAGTAAAAAAGATAAGAGA
ATCATACCATGCAAGTGACATTAATTCCAATTCTGGGAAGATCTGGGCCATCACCACAGCCTATCCATCT
CGGCTCTTCGCTGACACCAAGTTCAGAGTAAAAATTTCCATTGATAACTCAGCCAACTCCTCCTCTTTA
TGCCACACGCTAATTATCTTGTCAAAGACCTAATTGCTGAAATTTACTTTTATGTGCAAAATGAGCCGCT
TTCCCCAAAGAGTATCTTCTAAGTGTATGCGGTTCTGAGGAATTTTACAGATGGATCACTCTCTAGGG
AGCCACAAAATATTCCAGAAAAATAAATCTGTCATTCACTTCACTTTCAGAAAAACAGGGACACTCCAG
GAAAATATCCCGAAGAGTGAAGATGACCACAGTCCGTTTCATCTGAACCAACTTCTAGAATTTACACA
TATCTGAAAAATATCCAGACAATGCCTCTCCACAGTAATGAAAAAATACAACCTCCAGTGAACACCTG
TTGAAACCCAGAAAGACATGGAGGAGAAACATTTGTCGTCATGTTTCTGGTAACCAACACACTTCTC
AGCCACATGTGAATAATGTTCTTGAAGAAGTAAAAACATATGCAGTGTGTTGGGGTGTATTGAAACCA
ACAAGTTTCAGATGCCGTGAAAGAACTAAATCTAATTCTGCAGAGACCATCACAGAAATTTTCATCAGAAT
TCAGAGACTTCAAAAAAGGCTTCATAGAGAGAGTGACAGCTGAACTATCAAGTCCATCTATCAGCTAA



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TCGACGTGACTGCAGTAGCTTCTGTACAGATTTCCAGCCTGTGCACACACCCGGAGGTGTCTCCCATGT
 CCACGCTGGGCTCCAGTCCCACCTGAGCTTACAGTGTGTTCCCTGCACAATGTCCAGAGACTTGGGCA
 CACAGCTACAAAGCATTTCGTTTTCTGCTGGCTCACATATGCTGGGAAGAAGCTGTGCCAAGTAAAA
 GCTGCAGACCCCTGCCAGTCAAAAATCATTCTCCCTTTTGGTCAACTGGAATGAAATAATCAATTTTCC
 TCTTGAGATAAAGTCACTTCCAAGAAATCCATGCTCGTTATAAACTGTTCCGGATTGACTCTGCCACC
 CACAGCACAAATCTGCTGGCCTGGACCTGCCTTCCACTGTTCCGAGACAGGAGTCTGTGCTGGGTCTA
 GGCTGTTACAGTGTACAGTTACAGAGTGGCCTCCAATCGAAATGATAGCTCCAGGCGTATGGGATGGGAG
 CCAGCCTTCCCACTGACCTGCAGATAGATTTTCCAGACGCTGGGTGGGAGTATCTGAAACCTGAGTCT
 GAAGAGAACAGAACTGACCATGAAGAGCCGCAAGAGAGTGTAAAAACACATCGCCAAACTCTCCAGAG
 AGAAGTCTCCCTTGTACTTTCTGAGGAAAAGAGGAGATATTTGGTGTATCGTCTCTACTGCAACAA
 TGAGAACTCCTCCCTCCCTTTGGTCTTGGGCAGCGCCCTGGTTGGGATGAAGAGACAGTTTCTGAAATG
 CATGCAATCTTGAGAAGGTGGACGTTTTACACCCATGGGAAGCTCTTGGTCTTTTACTTCCAGTTTC
 CAGACCAAGACATTCTGGAAGTTGCCGTTCAACAATTAGACACCCTTTGACTGACGAGCTGCTGGACTG
 CCTCCACAGCTAGTGCAGGCTGTCAAGTTTGTGGAACCTCGAAAGTCCCTTGGTGGAACTCCTGCCT
 CGTCGCCCTTCAAAGCATCCGAGTGGCTCAGTGTCTGTACTGGCTGCTACGGGATGCCAAGGTGAAG
 CCTACTTTAAAGCTGGTATCAGGAGCTTTGGCCGCTCTCCAGTTCTGTGCAGGAGAAGCCCTGAATGA
 AGAGCTTTCCAAGGAGCAGAACTTGTCAAACCTTGGGTGATATTGGAGAAAAAGTGAAGTCAGCCAGT
 GACCCTCAGAGAAAGGATGTGCTAAAGAAAGAGATTGGCAGTCTAGAAGAATTCTTTAAAGATATAAAGA
 CTTGCCATCTTCTCTGAACCCGGCACTGTGCATAAAAGGAATTGATCGGGATGCTTGTCTGATTTTAC
 ATCCAACGCTTACCATTGAAGATTACTTTTCAATCAATGCTAATCCAATGGGCAAAAATATCAGTGTATT
 TTTAAGGCCGGAGATGATCTTCCGACAGGATAGCTTGTCTGCAGATTATTCAAGTATGGACAACGCTT
 GGCTGCAGGAGGGCTCGATATGCAAAATGATCACTTATGGATGTCTATCCACAGGAAGAGCCCAAGGAT
 CATAGAGATGGTGCCTGATGCTGTAACCCTGGCAAGATCCATCTGCACCTGGGCTGATCGGACCCCTG
 AAAGAAAACACCATCAAGAAGTGGTTCAGTCAGCACAAACCACTTAAAGGAAGATTATGAAAAGCCCTTGA
 GGAACCTCTTTTACTCTTGTGCTGGCTGGTGTGGTGACATTCTTGGGAGTCTGTGACCGACATAA
 TGACAATATCATGCTGACAAAAGTCAGGTCACATGTTTCAATTGACTTTGGAAAATCTTGGGTCATGCG
 CAAACATTTGGCGGTATCAAAGGGACAGAGCCCTTTTCACTTTTACTTCCAGAGATGGAGTACTTTATTA
 CTGAGGGTGGAAAAACATACAGCATTTCAGACTTCGTGGAGCTTGTGTCAGAGCTTACAACATCGT
 CAGGAAACACAGCCAGTTGATCCTGAGCCTTCTGGAGATGATGCTGCATGCAGGACTGCCTGAGCTAAGG
 GGAATCGAAGACCTGAAGTATGTACATAACAATCTCCGCCACAAGACACAGACCTGGAAGCCACAAGTC
 ATTTACCAAGAAGATAAAGGAAAGTCTGGAGTGTTCAGTGAATTTGAATAACCTGATCCACACACT
 TGCACAGATGCCAGCCTTAAAGCCTTGCCAAACCTGCCCTCAGACTCTTCTCCAGGAATCCTGCATCCTG
 AATAAGACCAGGACAATTCAGAGAGTCACAATTTTAGGGTTCAGCAAGACACACAGCAACCTGTACCTGA
 TGGAGGTGACATGCAGTGAATAGGAGAAGCCTGACCAAGAAGTCTTTCGAGCAGTTTTACAGACTTCA
 CAGCCAAATGCAGAAGCAGTTCTCCTCGTTGGCTCTCCAGAAATTTCTCACTGGTGGCATCTACCTTTC
 ACAGACTCAGATCACAAGAGAATCAGAGATCTGAGTCACTACGTGGAACAGGTGCTACGCGGATCTTATG
 AAGTTGCAACAGTGATTGTGTAAGTACTTACTTTTCTCTCTGAACATATCAACCAACACTTGAAGACTC
 TCCATTTGTGGACCCAGGTGAGAACTCTAGACAAGAGCCCTAAGGTGCAGTTACTGATGACGTATGAG
 GACTCGAGGCTCACCATCCTAGTGAACACTTGAACAAACATCCATCTCCAGATGGCTCTGTGCCAGTG
 CACATGTTGAAATTTATCTTCTACCACATCCAGTGAAGTTCGGAGGAAGAAAACAAAGTGTGTTCCAAA
 GTGCACTGACCCAACTTACAATGAAATTTGGTATATGATGAAGTCTTGGGGCTCCAGGGCCATGTTTTA
 ATGCTTATCGTGAAGAGCAAACTGATTTTGGGAGCAGTTAACATCCAGCTCTGCAGTGTACCCCTCA
 ATGAAGAAAAGTGGTACCCTAGGAAACAGTATCATCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_207683
Insert Size: 4521 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).
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:	NM_207683.2 , NP_997566.1
RefSeq Size:	6358 bp
RefSeq ORF:	4521 bp
Locus ID:	18705
UniProt ID:	O70167
Cytogenetics:	6 69.7 cM
Gene Summary:	<p>Generates phosphatidylinositol 3-phosphate (PtdIns3P) and phosphatidylinositol 3,4-bisphosphate (PtdIns(3,4)P2) that act as second messengers. May play a role in SDF1A-stimulated chemotaxis.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>