

## Product datasheet for **MC222354**

### **Pik3r5 (NM\_177320) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pik3r5 (NM_177320) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pik3r5
Synonyms:	AV230647; F730038I15Rik; Foap2; p101
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC222354 representing NM\_177320  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCAGCCAGCAGCCACAACGTGCACAGAGACCGCATCCAGCATGCTCTGGAGCGATGCTTGCATGGAC  
 TGAGCCTCGGACGCCGTTCTGCTCCCTGGTCAGCCGGGCTGTGTCTGAACTGCTGGAGCCTACAGGAGCT  
 GGTCAGCAGGGACCCGGGCCACTTCTCATCTCTCTGGAACAGATCCTACAAAAGACCCAAGAGGTCCTAA  
 GAGAAAGGCACCTATGACCTCTCGCCCGCTGGCTCTGCTTTTATTCCACTGTCTCTGTACACCAC  
 ACTTCCCACCAGACTCCGACCTCTGCTGAAGGCAGCCAGCACCTACCACTGCTTCTGACCTGGCCAGT  
 TCCCTACTGCAGCATCTGCAGAGAGATGCTCACCTTCATTGATGCTGAACTCAAGCCCCAGGAATCTCC  
 TACCAGCGGCTGGTGAGGGCTGAGCAGGGCTGCCCGTCAGGAGCCACCGAAGTCCACTGTCAGTGTGC  
 TGTTGCTGAACCCGGTAGAGGTACAGGCTGAATTCCTTGTGTGGCAGACAAGCTGAGCACGCTGGACA  
 GTCACCCACGGCACCTACACCACCTGCTCCTGCATGCCTTCCAGGCCACCTTTGGGGCCCACTGCGAC  
 CTTCTAAACTACACCGCAAACCTCAGTCCAAGACAATAGAAGAGCTGGAGGACATCTTACCGAGACGA  
 CAGAAGCCAGGAGCTGGCGTCTGGCATTGGGGATGTAGCAGAGGCCCGAGAGTGGCTCCGGACCAAGCT  
 GCAGGCAGTGGGAGAAAAAGCGGGCTTCCCTGGCATCTTAGACACTGCAAGCCCTGGGAACTCCACACC  
 ATCCCCATCCCTGTCGCCAGATGCTACACCTACAGCTGGAACAGGACAGCTTTGACATCCTACAGGAAG  
 TCCTTCTCAAGGAACAGGAGCTGCTGCAGCCAGGGATCTTGGGAGATGATGAAGAGGAGGAAGAGGAGGA  
 CTTGGAGATGGACAGGCATTGCGCTGAGAGGGACTCTCTCTCTCCACCAGCTCCCTGGTGTCTCACGAC  
 TCCACACTGTTGCTCACCTCCTCTCAGGCCTCAGAACCAGTGTGTCCCAGAGATGCTGACCACCTTTG  
 TCTCAGGCCTCTCGGATGGCATGGACAGTGGCTACGTGGAGGACAGCGAGGAAACTCAGAGTGGCCCCA  
 AAAGCCCGCAGCCAGAAACGCCAGGGTTCATCGCAGGCCTGGGCAGAAAGTTCAACAGGTTCTATAAACTC  
 TTAAGAGCACCGCCAGTTAGTCTGAGGAGGGACTCTCGGAGCCTGGAGAGCAGTGTAGACCCAAACC  
 TGCTCTGCGAAGGGCTGGGAGCCTCTGCAGCCCTTGGACTGTCCCGCTCAGCTCCCCTCCCGGGCTCA  
 GCGCTCACGGTCTTGCCTCAGGCCAAGCTCACCACTCACTCCAGATGGTTCTGGCACCACCCTCA  
 CACCACCAGCGCCCGTCCCTTCTCAGTGGGATGAGGACCCAAAGCTTCCACACTACGGGTTGTGG  
 TCTTTGGCTCTGATCGGATTTCAAGGAAGGTGGCTAGGGCCTATAGCAAGCTCAGGAGGCTGGAGACCAG  
 TCACCCTATCCTCACAGCTTCTCAAGCTTCAAGTCTCTATGTGCTGTGAAGAGAAGCCACGGAACC  
 AGCCCCAGTGCCTGCCATCCTCTCTGAGCCAAGCATCTCCACTCCCTGCAGACTCCCTGAAGTACCCCA  
 GCCTACAGACCTTGGCATGGCCCCATGGGAGGACAGTACCAATGACATCTCTACTACCTCGGTATGCT  
 TGACCCCTGTTACGAACGCAATGTGTTGGGCTCATGCACCTGCCTCCTGAAGTCTTTGTGAGCAGTCC  
 CTGAAGGCAGACTCTCGGCCCTGGAGGGATCGGCCACCCAGCTGCCATCCTGGCCGATATGTTACTCT  
 ACTACTGCCGCTTTGCGGCCCGCCCGTGTGTGTCAGGTTTACCAGACAGAGCTGACCTTTGTACCCGG  
 GGAGAAGACCACAGAGATCTTATCCAGTCTCTGGAGCTGGGTCACTCTGCGACCACTCGGGCTATCAAG  
 GCTTCAGTTCGGGTAGGAAGAGGCTGGCATTGATGACGACCGGGAGGCCGCTCCCTCTAACACTACAGA  
 TATTTTACAGCAAGGGAGCCATCAGTGGCGAAGCCGCTGGAGCAACCTGGAGAAGGTCTGCACCTCTGT  
 TAACCTCAGCAAGGCCTGCCAGAAGCCGAGGAGCTAGACTCCAGCATGGAGGCGCTAACGCTAACCTG  
 ACAGAAGTGGTGAAGAGGCAGAACCTAAATCCAAAAAGGGCTTTAACAGATCAGTACATCCTACATCA  
 AAGTGGACAAGGTGCAGATCATCGGCTCTAGCAGCTGCCCTTTGCCGTGTGTCTAGACCAGGATGAGAG  
 AAAGATCCTGCAGAGTGTGGTCAAGTGTGAAAGTGTACCCTGCTACAAGCCAGAGAAGAGCAGCTTGCCA  
 CCCGAGAGGCTCTCAGCCAGCCAGCAGAGACTGGGTCCGACCTGTGCTCCCTTCTGCTTCCCATCA  
 TGACATTCAGTGGGGCTCTGCC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_177320  
**Insert Size:** 2616 bp

<b>OTI Disclaimer:</b>	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).
<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_177320.2</a> , <a href="#">NP_796294.2</a>
<b>RefSeq Size:</b>	4363 bp
<b>RefSeq ORF:</b>	2616 bp
<b>Locus ID:</b>	320207
<b>UniProt ID:</b>	<a href="#">Q5SW28</a>
<b>Cytogenetics:</b>	11 B3
<b>Gene Summary:</b>	Regulatory subunit of the PI3K gamma complex. Required for recruitment of the catalytic subunit to the plasma membrane via interaction with beta-gamma G protein dimers. Required for G protein-mediated activation of PIK3CG (By similarity).[UniProtKB/Swiss-Prot Function]