

Product datasheet for **RN213609**

Pik3r2 (NM_022185) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pik3r2 (NM_022185) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pik3r2
Synonyms:	MGC108697
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN213609 representing NM_022185
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAGGTGCTGAAGGCTTCCAGTACAGGGCTGTATACCCATTCGCCGGGAGCGCCCTGAGGACCTGG
 AGCTTCTTCTGGTGACCTCCTGGTGGTGAAGCCGGTGGCTCTGCAGGCACTAGGTGGCTGATGGAGG
 AGAGCGCTGCCACACAACGTGGCTGGATGCCTGGCTTCAATGAGCGCACCCGACAGCGAGGGGACTTC
 CCTGGAACATATGTGGAGTTCCTAGGACCTGTGGCTCTGGCTCGACCAGGCCCTCGCCACGGGGGCCCC
 GTCCGTTGCCAGGCCCTTGGATGGACCTTCTGAGTCAGGTCACACACTGGCAAGCCTGGCAGAGCA
 GTTCTCCACCTGAGCCTGCGCCCCGATTCTGGTGAAGCTGATAGAAGCCATTGAGCAAGCAGAGCTG
 GACAGTGAATGCTACAGTAGGCCGGAGCTGCCCGACACGGACAGACTGGTCCCTGAGTGACTGGAGC
 AGTGGGACCGCACACCTTGTACGATGCTGTAAGGGCTTCTGTGGCATTGCCTGCAGCTGTGGTGAC
 TCCTGAGGCTGCATCGGAGGCTTATCGGGCGATCGGGAGGTTACGGGGCTGTGGGGCTGGTGCTGGAA
 CCCCCAACGCTGCCGTTGCACCAGGCCCTCACTCTGCAGTTCCTGCTGCAGCACCTGGGCCGCTGGCCC
 GCAGAGCACCCCTACCAGCTACAGCTGTCCACGCACTGGCCAGTGCCTTCGGGCCGCTGTGCTGCGTGC
 GCCTCCGCCAGGGGGCGAGGGTGTGGGAGTGAGCCTGCACCTGACTTCCCTGTGCTGCTTCTAGAGAGG
 CTGGTGCAGGAGCATGTGGATGAGCAAGACACCGCCCGCCAGCACTGCCACCCAAACCTCTAAGGTAA
 AGCCGGCACCCACAGCCCTGGCCAATGGAGGGAGTACACCCTCGCTTCAAGGATGCAGAGTGGTACTGGGG
 GGACATTTCCAGGAAGAGGTGAATGAGAGGCTCCGAGACACACCTGATGGTACCTTCTTAGTCCGAGAT
 GCATCCAGCAAGATCCAAGGAGAGTACACGCTCACCCCTCAGGAAAGCGGGAACAACAAGCTAATCAAAG
 TCTTCCACCGGGACGGTCACTATGGCTTCTCAGAGCCCCCTACCTTCTGCTCCGTGGTAGAGCTCATCTC
 CCACTACCGACATGAGTCACTGGCCAGTACAACGCCAAGCTGGACACCGCCTTCTCTACCCTGTGTCC
 AAGTACCAGCAAGACCAGGTGGTGAAGGAGGACAGTGTAGAGGCTGTGGGTGCCAGCTCAAGGTCTACC
 ACCAGCAGTACCAGACAAGAGCCGCGAGTATGACCAGCTCTATGAGGAATACACACGAACCTCCCAGGA
 GCTTCAGATGAAGCGCACAGCCATAGAGGCCTTCAACGAGACCATCAAGATCTTCAAGAAGCAGGGCCAG
 ACACAGGAAAAGTGCAGCAAGGAGTATTTGGAGCGCTTCCGGCGAGAGGGCAATGAGAAGGAGATGCAGA
 GGATCCTGCTGAACTCGGAGCGACTCAAGTCTCGAATCGCGGAGATACATGAAAGCCGCACGAAGCTGGA
 GCAGGATCTCGGGCGCAGGCCCTCGACAATCGAGAGATTGACAAGCGCATGAACAGCCTCAAGCCTGAT
 CTCATGCAGCTGCGCAAGATCAGGGACCACTACCTCGTGTGGCTCACCCAGAAAGGTGCCGACAGAGGA
 AGATCAACGAGTGGCTGGGAATCAAGAATGAGACTGAGGACCAAGTATCACTGATGGAGGATGAGGACGC
 CCTCCCCACCATGAGGAGCGCAGTGGTACGTGGCAAGATCAACCGCACACAGGCGGAGGAGATGCTG
 AGTGGCAAACGAGACGGGACCTTCTCATCCGGGAGAGCAGCCAGCGGGGCTGTTACGCATGCTCTGTGG
 TGGTGGATGGCGACACGAAGCACTGTGTCTATCCGCACAGCCACTGGCTTTGGCTTCGCAGAGCCCTA
 TAACCTGTACGGATCCCTGAAGGAGCTGGTATTGCACTACCAGCACGCATCACTTGTGCAGCACAATGAC
 GCGCTCACCGTACCCTCGCACACCTGTGCGTGCCCCGGGCCCTGGCCCCCCTGCAGCACGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_022185
Insert Size: 2169 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:	<u>NM_022185.2</u> , <u>NP_071521.2</u>
RefSeq Size:	3137 bp
RefSeq ORF:	2169 bp
Locus ID:	29741
Cytogenetics:	16p14
Gene Summary:	regulatory subunit of the enzyme phosphatidylinositol 3-kinase; involved in cellular signaling mechanisms [RGD, Feb 2006]