

Product datasheet for **RN210079**

Pi4k2a (NM_053735) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pi4k2a (NM_053735) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pi4k2a
Synonyms:	Pi4KII
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN210079 representing NM_053735
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACGAGACGAGCCCGTAGTGTCCCCGAGCGGGCCCAACCCCTGAGTACACCTTCCCGTCGGTCT
 CGGGAGCTCACTTTCCGCAGGTACCGGGGGCGCGGTCCGCGTAGCGGCGCGCGCTCCGGCCCGTCCCC
 GCGGTGCTCTCCGGGCCACGACCGGGAGCGGCAGCCCTGCTGGACCGGGCCCGGGCGCGGCGCGCAG
 GGTGAGACCCACACGGTGGCGGCGCAGGCCAGGCCCTGGCCGCCAGGCGGCCGTGGCGGTGCACGCCG
 TTCAGACCCACCGCAGCGAAACGACTTCCCGGAGGACCCGAGTTCGAGGTGGTGGTGGCGCAGGCCGA
 GATAGCCATCGAGTGCAGCATCTATCCCGAGCGCATCTACCAGGGCTCCAGTGAAGCTACTTCGTCAAG
 GACTCTCAGGGGAGGATCATTGCTGTCTTCAAACCAAGAATGAAGAGCCATACGGGAACCTTAACCTTA
 AGTGGACCAAATGGCTTCAGAAGCTGTGCTGCCCTGTGCTTTGGCCGAGATTGCCTTGTCTCAACCA
 GGGCTATCTCTCAGAAGCAGGGGTAGCCTGGTGGACAAAACTGGAACCAACATTGTACCCCGTACA
 AAGGTAGTATACCTGGCCAGTGAAACCTTCAACTATAGTGCCATTGACCGAGTAAAGTCCAGGGGAAGC
 GACTTGCACTAGAGAAAGTGCCAAAAGTTGGGACGCGTTTAACCGCATTGGGCTACCACAAAGGTCGG
 GTCATTCCAGCTCTTTGTTGAAGGCTACAAAGATGCAGACTATTGGCTACGGCGTTTTGAAGCAGAACCT
 CTTCCCGAGAACGAAACCGACAGCTACTATTGCAGTTTGAGCGGTTGGTGGTCTGGACTACATCATCC
 GCAACACTGACCGAGGCAATGACAACTGGTTGATCAAATATGACTATCCGATGGATAATCCTAACTGTG
 GGACACAGACTGGGTGATGGTGAGGGAGCCTGTTATCAAGGTGGCCGCCATAGACAATGGACTGGCTTTC
 CCACTGAAGCACCTGACTCCTGGAGGGCATATCCTTTTACTGGGCCTGGTGGCACAGGCTAAAGTCC
 CATTCTCTCAGGAGATCAAAGATTGATTCTTCCAAAGATTTAGACCCTAACTTCGTCAAGGACTTGGA
 GGAGGACCTATATGAACCTTCAAGAAAGATCCTGGTTTCGACAGGGGCCAGTTCATAAGCAGATTGCT
 GTCATGAGAGGTGAGATCCTAAATTTGACCCAGGCCCTAAAAGACAATAAGAGTCCCCTGCACCTCGTCC
 AGATGCCACCCGTGATTGTTGAGACGGCCGTTCTCATCAGCGGTCTCAAGTGAATCCTACACACAGAG
 CTTCCAGAGTCGGAAGCCCTTCTTTTCATGGTGGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_053735
- Insert Size:** 1437 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:**
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_053735.1](#), [NP_446187.1](#)
RefSeq Size: 1620 bp
RefSeq ORF: 1437 bp
Locus ID: 114554
UniProt ID: [Q99M64](#)
Cytogenetics: 1q54
Gene Summary: catalyzes the conversion of PtdIns to PtdIns 4-phosphate [RGD, Feb 2006]