

Product datasheet for RN214160

Pi4ka (NM_022301) Rat Untagged Clone

Product data:

| | |
|----------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Pi4ka (NM_022301) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Pi4ka |
| Synonyms: | Pik4ca |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |
| Fully Sequenced ORF: | >RN214160 representing NM_022301 Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTGCCAGTAGATTTTCATGGAATCTTCCAGCTAGATGAAAGACGGAGAGATGCAGTGATTGCTCTGG
GCATTTTTCTCATTGAGTCTGATCTTCAGCACAAAGATTGTATTGTTCCCTATCTTCTCGACTTCTCAG
GGTCTTCCAAAAGTCTATTGGGTAGAAGAAAGCACAGCTCGGAAAGGCAGAGGTAACCTCCCGGTTGCA
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GAAAGAATACCTTTGCAAGTATGCAATCCCATGCCTGATAGGGATCTCGAAATCTTTTGGACGTTACAGC
AATTCAGAAGAATCTCTCCTCTCAAAGCTTTTTCCCAAAGTCCCTCCTCATTCCCTGAGAATCCCGAAG
AGCTAGAAGGTGTCCGAAGGCGTTCCTTAATGACTTCCGCTCCATCCTGCCAGCAACCTGCTGACTGT
CTGTCAGGAGGGCACACTGAAGAGGAAAACCAGCAGTGTGTCCAGCATCTCTCAGGTTAGCCAGAACGT
GGCATGCCCCCTCCAGCTCCCCTGGAGGATCTGCTTTTCACTATTTTGAAGCCTTTGCCTGCCTGTTCAA
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TGGTATCACCTATAAGGAGTTCTATATTCCACTGGAAATGCTTCGAGAACTCTTAAACTTGGTAAAGAAG
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CAGTCAGTACCACACAGTTGCTGGCAGTGATATAAAAATTAGTGTACCAATGAGCATTCTGAGTCAACT
CTGAATGTCTTGGCCGCAAGAAGAACCAGCCATCCATGTATGAGCAGCTCCGGGACATCGCCATTGACA



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ACATCTGCAGGTGCCTGAAGGCCGGCCTCACCGTGGACCCTGTGATCGTGGAGGCCCTCCTGGCCAGCCT
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 GCCTTGGGACACATTGCAGTGGCTCTGAGGGATACCCCAAAGGTCATGGAGCCAATTCTGCAGCAGAAAT
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 TTCCCTACTCAAGGAGAAAAGAGGCTGCGTGAAGATAAAGCATCATGATTAAGTTTGGACTGCCATGT
 TCTCAGATAAGAAGTACCTGACTGCCAGCAACTCGTTCACCCAGATAACCAGGACACCCGAAGCAACT
 GGATAAAGTGTGGCTCTCGACAACAGGCTACACAGGGATGGATCAACACATACCCCTCTCCAGTGGC
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 ACATGAAGCGTAGGACGCTGCTGCTGTCACTGTTGGCCACTGAGATCGAGCGCCTCATCACTTGGTACAA
 CCCGCTGTGAGCCAGAGCTAGAGCTGGACCAGGAGGTGAGAACAGTGTGGCAAACCTGGAGGTCCAAG
 TATATCAGCCTGAGTGAAGCAGTGAAGGACAACGTGAACCTTGCCTGGACCATCTCTCCATACCTCG
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 GGACCCAGGAGCTGTTAGTGTGCTCCCTGAAGCTATCAAGTTCCTTGTACCTGGCACACCATCGATGCT
 GATGCTCCAGAGCTTAGCCATGTGTTATGCTGGGCACCCACGGACCCGCCACGGGCTCTCCTACTTCT
 CCAGCATGTACCCCCACACCCTCTCACTGCACAGTATGGGGTGAAGTCTGCGGTCTTCCCTCCGGA
 TGCCATTTCTGTTCTACATCCCCAGATTGTGCAGGCCCTCAGATATGACAAGATGGGCTATGTGCGCGAG
 TACATTCTCTGGGCTGCAGCCAAATCCCAGCTTCTGGCACACCAGTTTATTTGGAATATGAAAACCTAACA
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 AATCACAGGGTCTCTATCAGGCCAGCCAAAGATTTCTATCAACGGGAATTTGATTTCTTAAACAAGATC
 ACCAACGTGTCAGCTATCATCAAGCCCTACCCTAAAGGCGATGAAAGAAAGAAAGGCTTGTCTGTCAGCCC
 TGTCTGAAGTGAAGGTGCAGCCTGGCTGTACCTGCCAGCAACCCTGAAGCAATTTGTCTAGACATTGA

CTACAAGTCAGGGACACCAATGCAGAGTCTGCAAAAGCGCCGTATCTTGCCAAGTTAAGGTGAAGCGA
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 AAGAGGCTGATGGCAAGAAGATCTGCTGGCAAGCAGCCATCTTCAAAGTGGGGGATGACTGCCGACAGGA
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 TTTCCCTATCGGGTAGTGGCTACTGCCCTGGGTGTGGGTGATTGAGTGCATTCCAGACTGTACCTCCC
 GAGACCAGCTAGGCCGCCAGACTGACTTCGGCATGTATGACTACTTTACACGCCAGTATGGGGACGAGTC
 TACCTTGGCCTTCCAGCAGGCACGCTACAACCTTATCAGAAGCATGGCGGCCTACAGCCTCCTGCTGTT
 CTGCTGCAGATCAAGGACAGGCACAACGGCAACATCATGCTGGACAAGAAGGGACACATCATCCACATAG
 ACTTTGGCTTCATGTTTAAAGCTCACCGGGTGGCAACCTTGGCTGGGAGCCAGACATCAAGCTGCAGA
 CGAGATGGTGATGATTATGGGGGCAAGATGGAAGCCACACCCTTCAAGTGGTTCATGGAGATGTGCGTC
 CGAGGTTATCTGGCTGTGCGCCCTATATGGATGCAGTCGTCTCCCTGGTTACACTCATGTTGGACACAG
 GCCTGCCCTGTTTCCGTGGCCAGACAATCAAACCTTTGAAACACAGGTTCCAGCCCAACATGACAGAGCG
 GGAGGCTGCAAATTTTATCATGAAGATCATCAAACCTGTTTCTCAGCAACAGGAGCCGGACCTACGAC
 ATGATCCAGTACTACCAGAATGATATCCCCTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_022301
- Insert Size:** 6126 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_022301.1](#), [NP_071637.1](#)
- RefSeq Size:** 6579 bp
- RefSeq ORF:** 6126 bp
- Locus ID:** 64161
- UniProt ID:** [O08662](#)
- Cytogenetics:** 11q23
- Gene Summary:** catalyzes the phosphorylation of phosphatidylinositol (PI) at the D-4 position of inositol ring [RGD, Feb 2006]