

Product datasheet for **RN211934**

PIk3 (NM_022187) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PIk3 (NM_022187) Rat Untagged Clone
Tag:	Tag Free
Symbol:	PIk3
Synonyms:	Cnk; Fnk
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN211934 representing NM_022187
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCCCGCCCGCGGTTCTTGTCCCGCGCCCTTCCCGCGCGGGTCTCCGTCCTCGCCCCCG
 CCGGTCCGGGGCCGCCCGCCAGTGCCTCCACCGTTCGGAACCTGGGGTCTGGCCGGGCCACAGACGCC
 GGATGCCAGTCGCCTCATCACCGACCCTCGCAGCGGCCGTACCTACATCAAGGGTCGCTTGTGGGCAAG
 GGGGGTTCGCTCGCTGCTATGAAGCCACTGACACTGAGACTAGTATAGCCTACGCGGTCAAAGTCATCC
 CGCAGAGTCGCGTCGCCAAGCCGCATCAGCGCGAGAAGATCATAAACGAGATAGAGTTGCACCGAGACCT
 ACAGCACCCGCATATCGTTCGATTTTCGCATATTTTCGAGGATGCTGACAAATATATATTTTCTGGAG
 CTCTGTAGCCGAAAGTCCCTGGCCACATCTGGAAGGCCCGTACACCCTACTGGAACCAGAGGTTCTGCT
 ACTACCTGCGCCAGATTCTTTCTGGTCTCAAGTACTTGCACCAGAGGGGTATCTTGCACAGAGATCTCAA
 GCTGGGAAATTTTTCATCACTGATAACATGGAAGTGAAGTGGGAGATTTTGGGCTGGCAGCTCGGCTA
 GAGCCTCCAGAGCAGAGGAAAAAGACCATCTGTGGTACTCCCAACTATGTGGCCCCAGAAGTCTGCTGA
 GGCAGGGCCATGGCCCCGAGGCAGATGTGTGGTCCCTGGTTGTGTATGTACACACTCCTGTGTGGGAG
 CCCCCGTTTGAGACAGCTGACCTAAAGGAGACCTATCGCTGCATCAAGCAGGTTTATTACACACTGCCT
 GCCAGCCTCTCACTGCCTGCCCGCCAGCTCCTGGCTGCCATCCTTCGAGCTTACCCCCGAGACCGCCCTT
 CCATTGAGCAGATCCTGCGCCATGACTTCTTTACAAAGGGCTACACCCCTGATCGGCTCCCTGTCAAGCAG
 CTGTGTGACAGTCCAGATCTGACACCCCCAACCCCTGCGAGGAGTCTGTTTGTAAAGTTACCAAGAGC
 CTGTTTGGCAGGAGAAAGAGCAAGAATAAGAACCATTCTGAGGAACAGGATAATGTCTCCTGCTTGGTGA
 GCGGCCATCGGCACATCCATCGTTCATCCAGATGTCAGGCCGGAGGCTCCAGCAGCCTCAGCTCTGGC
 CCTGTCACTGTTGGTAGAGACAGCTGCTGAGGACAGCTACCCCCGTGGGACACTGGCAAGCAGTGGAGAT
 GGATTTGAAGAAGTTTACTGTGACCACGGTGGTGGAGTCTGCCCTCTGTGCACTGAGAAACTGTGTGG
 CCTTCATGCCCCAGCTGAACAGAACCCAGCCCCGTTGGCACAGCCAGAGCCTCTGGTGTGGGTGAGCAA
 GTGGGTTGACTACTCCAACAAGTTTGGCTTTGGCTATCAGCTGTCCAGCCGCGTGTAGCCGTGCTCTTC
 AATGACGGCACACATGGCCCTGTGAGCAATAGGAAGACTGTGCACTACAACCCACCAGCAGCAAGC
 ACTTCTCTTTCTGTGGGTTCTGTGCCCGTGTCTGCAGCCTCAGCTGGGCATCTCCGGTATTTGCGC
 CTCTACATGGAGCAGCACCTCATGAAGGGTGGAGATCTGCCAGTGTGGAGGAGGTAGAGTCCCTGCC
 CCACCTTGTCTGCTGAGTGGTCAAGACGGACCAGGCCCTTCTCATGCTTTCAGTGACGGCAGTCTCC
 AGGTGAACTTCTACGGGGACCATACGAAGCTGATCCTCAGTGGCTGGGAGCCTCTCTCTGTGACCTTCGT
 GGCCCGAAATCGCAGTGTGTACTTACCTCGCCTCCACCTCCGGCAGCTGGGCTGCTCCCCAGACTTG
 CGGCAGCGACTGCGCTATGCTCTGCGCCTGCTCAGGGACCGAAGCCCTGCT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_022187
- Insert Size:** 1944 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_022187.1](#), [NP_071523.1](#)

RefSeq Size: 2389 bp

RefSeq ORF: 1944 bp

Locus ID: 58936

UniProt ID: [Q9R011](#)

Cytogenetics: 5q36

Gene Summary: cell cycle associated kinase; may be involved in long-term synaptic plasticity [RGD, Feb 2006]