

## Product datasheet for **RN213875**

### **Pxk (NM\_182821) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pxk (NM_182821) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Pxk
Synonyms:	MGC114238
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN213875 representing NM\_182821  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCTTCATGGAGAAACCGCCAGCCCGCAAGGTGCTGCTGGACGACACGGTGCCGCTGACAGCGGCCG  
 TCGAGGCGAGCCAGAGTCTGCAGTCGCACACGGAATATATCATTCCGGTACAGAGAGGAATTTCTGCAGA  
 AAATAGCTGGCAGATTGTCAGAAGATACAGTGACTTCGATTTACTTAACAACAGCTTGCAGATTACAGGC  
 CTAAGTCTGCCTCTTCTCCCAAGAAACTGATTGGAAACATGGACCGTGAATTCATAGCCGAGAGGCAGA  
 AAGGCCTGCAGAACTACCTTAATGTTATCATGGCTAATCATGTCTTGCCAATTGTGAGCTGCTTAAGAA  
 GTTTCTAGACCCAAACAATACTGCAAACTATACTGAGATCGCCTTACAGCAGTTTCCATGTTCTTC  
 CGATCAGAACCAAGTGGGAGGTGTAGAACCCTGAAAGACATAGGTTGGAGAATAAGGAAGAAATATT  
 TCTTGATGAAAATTAACCAACCAAGGAGCGACTGGTGTGAGCTGGGCTGATCTTGGCCAGACAA  
 GTACTTGTGAGATAAAGATTTTCAATGTCTAATCAAGCTTCTGCCTTCTGTGTGCACCCTTACATCTAT  
 CCGGTTACCTTTGCCACGGCTAGCGAATCTTCAGCGTTGCTGATTAGAACCTTTAATGATAAGGGAACTC  
 TGAAAGGATCTGATCTACAAGGCAAAACCAAAAGACCCCTTCTAAAGAAATACTGCAACCCTAAGAAAAC  
 CCAGGGCCTTGAAGTCCAGCAAATAAAACATATGGACGGCAGATATTAGAGGTAAGTTTCTTCAT  
 GACAAGGGATTCCCTTATGGCCATCTCCATGCAGCTAACGTGATGCTGGATGGTAACACTTGGCCTGTC  
 TAGATCTCGAAAACCTTTATTGGGTCTTCTTCTTCTACCGATCTACTTACACAGTTACAGGAAGAT  
 CAATACATTGGAAAGTGTAGATGTCCACTGTTTCGGCCACTTACTCTATGAAATGACTTATGGACGACCT  
 CCAGACTCCGTGCCTGTGGACTCCTTCCCTCCGGCGTCATCCATGGCTGTGGTGGCCGCTACTGGAGTCTA  
 CGCTGTCTTGTGAAGCCTGTAAAAACGGCATGCCGACCGTCTCCCGGCTTACAGATGCCATTATTCAG  
 TGATGTTTTACTAACAACCTTCAGAAAAGCCACAGTTTAAGATTCCACGAAACTAAGAGAGGCAGTGA  
 ATCGCCAAGGAATGTATAGAGAAGAGACTCACCGAGGAACAGAAGCAGATTACACAGCATCGAAGACTAA  
 CGAGAGCTCAGTCACACCATGGATCTGAGGAGGAAAGGAAAAGGAGAAAGATCTTAGCTCGAAAAGATC  
 AAAACGATCTGCTGTTGAAAACAGTGAAGAGCAGCCAGTGAAGCAGCAACGCCAATAACTCAGGATCT  
 GGGGCCAGCTCACCTCTCACATCCCATCATCTCCAACCTCACCCCTCCACGGCAGGACTGTCTTACGCGT  
 TACCTCCACCTCTCCGCTCCGCCACCTCCACCGCCACCAGCGGCCCTCCCGAGGCACCGAGATGCC  
 TGCTCCGCCCTGCCAGGCCGTGAATGGTGTGAACCGTGGGGCCTTGCTCAGCTCCATCCAGAATTTCC  
 CAAAAGGGAACCTTGAGGAAAGCCAAAACCTGTGATCACAGTGTCTCTAAGATTGGCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_182821
- Insert Size:** 1740 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\\_182821.1](#), [NP\\_877973.1](#)

**RefSeq Size:** 2797 bp

**RefSeq ORF:** 1740 bp

**Locus ID:** 306203

**UniProt ID:** [Q4FZZ1](#)

**Cytogenetics:** 15p14

**Gene Summary:** Binds to and modulates brain Na,K-ATPase subunits ATP1B1 and ATP1B3 and may thereby participate in the regulation of electrical excitability and synaptic transmission. May not display kinase activity (By similarity).[UniProtKB/Swiss-Prot Function]