

## Product datasheet for **MC219258**

### **Pxk (NM\_145458) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pxk (NM_145458) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pxk
Synonyms:	C230080L11Rik; D14Ert813e; MONaKA; Monaka; Slob
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219258 representing NM\_145458  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCTTCATGGAGAAGCCGGCTGGCAAGGTGCTGCTGGACGACACGGTGCCGCTGACAGCGGCCG  
 TCGAGGCGAGCCAGAGTCTGCAGTCGCACACGGAATATATCATCCGGGTGCAAAGAGGAATTTCTGCAGA  
 AAACAGCTGGCAGATCGTCAGAAGATACAGTGACTTCGATCTGCTTAACAACAGCTTGCAAATTACAGGC  
 CTGAGCCTGCCTCTTCTCCTAAGAACTGATTGGAAACATGGACCGTGAGTTCATCGTGAGAGGCAGC  
 GAGGCTCGCAGAACTACCTAACGTCAATCATGGCAAATCATGTCTTGCCAACTGTGAGCTGCTTAAGAA  
 GTTCTAGACCCAACTAATCTGCAAATACTGAGATCGCCTTACAGCAGTTTCCATGTTCTTC  
 CGATCAGAACAAAGTGGGAGGTGTAAGCACTGAAGGACATAGGTTGGAGGATAAGGAAGAAATATT  
 TCTTGATGAAAAAATAACCAACCAAGGAGCGGCTGGTCTAAGCTGGGCTGATCTTGCCAGACAA  
 GTACTTGTGAGATAAAGATTTTCAGTGTCTAATCAAATCTGCCTTCTGTGTGCACCCTTACATCTAT  
 CCGGTCACCTTTGCCACGGCTAGCGAGTCTCCGATTGCTGATTAGAGCCTTAAATGAGAAGGGAACTT  
 TGAAGGATCTGATCTACAAGGCAAAACCAAGGACCCCTTCTAAAGAAATACTGCAACCCTAAGAAAAAC  
 CCAGGGCCTTGAAGTCCAGCAAAATAAACATATGGGCGGCAGATATTAGAGGCACTAAAGTTTCTTCAT  
 GACAAGGGATTCCCTTACGGCCACCTCCATGCAGCCAATGTGATGCTGGATGGCAACACTTGCCGGCTGC  
 TAGACCTCGAAAACACTACTGCTGGGTCTGCCTTCTTCTACCGATCTACTTCACACAATTCAGGAAAAAT  
 CAATACATTGGAGAGTGTAGATGTGCACTGTTTTGGCCACTTACTCTATGAAATGACTTATGGACGACCT  
 CCCGACTCCGTGCCTGTGGACTCCTTCTCCTGCATCATCCTTGGCTGTGGTGGCCGTATTGGAGTCTA  
 CGCTGTCTTGTGAAGCCTGTAAAAATGGCATGCCTACCGTCTCCCGGCTTTACAGATGCCATTATTCAG  
 TGATGTTTTACTAACAACCTCTGAAAAGCCACAGTTTAAGATTCCACAAAATAAAAGAGGCATTGCGA  
 ATTGCCAAGGAATGCATAGAGAAGAGACTCACCGAGGAACAGAAGCAGATTACACAGCATCGAAGACTAA  
 CGAGAGCCAGTCACACCATGGGTCTGAGGAAGAAAGGAAAAGGAGAAAGATCTTAGCTCGAAAAGAGTC  
 AAAACGATCTGCTGTTGAAAACAGTGAGGAGCAGCCAGTGAAGCACAGTAACTCCAATAACTCAGCAGGA  
 TCTGGGGCCAGCTCACCTCTCACATCCCCATCATCTCCAACCTCCACCCTCCACAGCAGGACTGTCTTCAG  
 CATTACCTCCACCTCTCCGCCACCTCCTCCTCCACCTCCACCAGCAGGTCCTCGCCAACCTCAGCCAC  
 GGAGATGCCTGCTCCGTCTGCCCCAGCCTGTGAATGGTGTGAACCGTGGGGCCTTGCTCAGTTCCATC  
 CAGAATTTCCAAAAGGGAACCTTTCGGGAAAGCCAAACCTGTGATCACAGCGCTCCAAGATCGGCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_145458
- Insert Size:** 1749 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\\_145458.3](#), [NP\\_663433.2](#)

**RefSeq Size:** 2807 bp

**RefSeq ORF:** 1749 bp

**Locus ID:** 218699

**UniProt ID:** [Q8BX57](#)

**Cytogenetics:** 14 4.7 cM

**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.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (L) encodes the longest isoform.