

Product datasheet for **MC217356**

Pxk (NM_178279) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pxk (NM_178279) 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: >MC217356 representing NM_178279
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCTTCATGGAGAAGCCGCGCTGGCAAGGTGCTGCTGGACGACACGGTGCCGCTGACAGCGGCCG
 TCGAGGCGAGCCAGAGTCTGCAGTCGCACACGGAATATATCATCCGGGTGCAAAGAGGAATTTCTGCAGA
 AAACAGCTGGCAGATCGTCAGAAGATACAGTGACTTCGATCTGCTTAACAACAGCTTGCAAATTACAGGC
 CTGAGCCTGCCTCTTCTCCTAAGAAACTGATTGGAAACATGGACCGTGAGTTCATCGTGAGAGGCAGC
 GAGGCCTGCAGAACTACCTAACGTTCATCATGGCAAATCATGTCTTGCCAACTGTGAGCTGCTTAAGAA
 GTTCTAGACCCAAACAATACTGCAAACTATACTGAGATCGCCTTACAGCAGTTTCCATGTTCTTC
 CGATCAGAACCAAAGTGGGAGGTGTTAGAACACTGAAGGACATAGGTTGGAGGATAAGGAAGAAATATT
 TCTTGATGAAAAAATAACCAACCAAGGAGCGGCTGGTCTAAGCTGGGCTGATCTTGCCAGACAA
 GTACTTGTGAGATAAAGATTTTCAGTGTCTAATCAAACCTTCTGCCTTCTGTGTGCACCCTTACATCTAT
 CGGGTACCTTTGCCACGGCTAGCGAGTCTCCGATTGCTGATTAGAGCCTTTAATGAGAAGGGAACTT
 TGAAGGATCTGATCTACAAGGCAAAACCAAGGACCCCTTCTAAAGAAATACTGCAACCCTAAGAAAAAC
 CCAGGGCCTTGAAGTCCAGCAAAATAAACATATGGGCGGCAGATATTAGAGGCACTAAAGTTTCTTCAT
 GACAAGGGATTCCCTTACGGCCACCTCCATGCAGCCAATGTGATGCTGGATGGCAACACTTGCCGGCTGC
 TAGACCTCGAAAACACTACTGCTGGGTCTGCCTTCTTCTACCGATCTACTTACACAATTCAGGAAAAAT
 CAATACATTGGAGAGTGTAGATGTGCACTGTTTTGGCCACTTACTCTATGAAATGACTTATGGACGACCT
 CCCGACTCCGTGCCTGTGGACTCCTTCTCCTGCATCATCTTGGCTGTGGTGGCCGATTGGAGTCTA
 CGCTGTCTTGTGAAGCCTGTAATAATGGCATGCCTACCGTCTCCCGCTTTACAGATGCCATTATTCAG
 TGATGTTTTACTAACAACCTCTGAAAAGCCACAGTTTAAGATTCCACAAAACTAAAAGAGGCATTGCGA
 ATTGCCAAGGAATGCATAGAGAAGAGACTCACCGAGGAACAGAAGCAGATTACACAGCATCGAAGACTAA
 CGAGAGCCAGTCACACCATGGGTCTGAGGAAGAAAGGAAAAGGAGAAAGATCTTAGCTCGAAAAGAGTC
 AAAACGATCTGCTGTTGAAAACAGTGAGGAGCAGCCAGTGAAGCACAGTAACTCCAATAACTCAGCAGGA
 TCTGGGGCCAGCTCACCTCTCACATCCCCATCTCCAACCTCCACAGCAGTAGAGCATGCAC
 CACTTTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_178279

Insert Size: 1548 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:	<ol style="list-style-type: none">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_178279.2 , NP_840063.1
RefSeq Size:	2840 bp
RefSeq ORF:	1548 bp
Locus ID:	218699
UniProt ID:	Q8BX57
Cytogenetics:	14 4.7 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (S) uses an alternate splice site in the 3' coding region, compared to variant L. The resulting protein is shorter and has a distinct C-terminus, when compared to the longer isoform.</p>