

## Product datasheet for **MR207599**

### **Pknox2 (NM\_001029838) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pknox2 (NM_001029838) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pknox2
Synonyms:	D230005H23Rik; Prep2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR207599 representing NM\_001029838  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGATGCAACATGCCTCCCCAGCCCCAGCTCTGACAATGATGGCCACGCAGAATGTCCCTCCCCACCCCT  
 ACCAGGACAGCCCCAGATGACAGCAACTGCCAGCCACCTTCCAAGGCCAGGCTGTCCACATCTCAGC  
 ACCCTCAGCTACCGCCAGCACACCTGTGCCAGTGCCCCATTGATCCCCAAGGCCAGCTGGAGGCTGAC  
 AAGCGAGCTGTGTACAGGCACCTCTTTTCCCGCTCCTGACGCTGCTGTTTGAGAAATGTGAACAGGCCA  
 CCCAGGGCTCCGAGTGACACCTCCGCCAGCTTTGATGTGGACATCGAGAACTTTGCCACCAGCAGGA  
 GCAGGAACACAAACCTTCTTCAGCGATGACCCAGAACTGGACAATCTGATGGTGAAGGCAATCCAGGTC  
 CTGAGGATCCACCTGCTAGAGTTGGAGAAAGTCAATGAGCTCTGCAAGGACTTTTGAACCGTTACATCA  
 CCTGCCTCAAACCAAGATGCACAGTGATAACCTGCTCAGGAATGACCTCGGGGGGCCCTACTCCCCAA  
 CCAGCCCTCCATAAACCTTCACTCACAGGACCTCTGCAGAATCCCCCAATTCAATGTCTGGAGTCTCC  
 AATAACCCCGAGGGATTGTGGTCCCAGCTCAGCACTCCAGCAGGGCAACATCGCCATGACAACCGTCA  
 ATTCTCAAGTCGTGTCAGGTGGAGCCTTATATCAGCCGGTTACCATGGTAACTCCCAAGGTCAGGTGGT  
 CACCCAAGCAATCCCCAGGGAGCCATCCAGATCCAGAATACACAGGTTAACCTTGACCTCACCTCCCTC  
 CTGGACAATGAGGATAAGAAGTCCAAGAACAACGAGGAGTCTTGCCCAAGCATGCCACCAATATAATGC  
 GTTCTTGGCTCTTCCAGCATCTCATGCACCCCTATCCCCTGAAGATGAGAAGAGGCAGATTGCCGCGCA  
 GACAAACCTCACCTTCTGCAAGTAAACAACCTGGTTCAATGCCAGGAGGCGCATCTGCAGCCCATG  
 CTTGATGCCAGCAACCCAGATCCTGCTCCCAAAGCCAAGAAAATCAAGTCTCAGCACCCGGCCACCCAAA  
 GATTCTGGCCCAATTCCATTGCTGCTGGGTTCTGCAACAGCAGGGTGGCACCCAGCCAGCAACCCCTGA  
 TGGTTCCATCAACTTGGACAACCTGCAGTCCCTGTCTCAGACAATGCCACCATGGCCATGCAGCAGGCA  
 ATGATGGCTGCACATGATGATTATTGGATGGCACGGAAGAAGAGGATGAAGATGATATGGAGGAGGAGG  
 AAGAGGAGGAGGAGCTAGAGGAGGAGGCTGATGAGCTACAGACAACGAATGTCAGCGACCTGGGCTT  
 GGAACACAGTACTCCCTGGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207599 representing NM\_001029838  
 Red=Cloning site Green=Tags(s)

MMQHASPAPAL TMMATQNVPPPPYQDSPQMTATAQPPSKAQAVHISAPSATASTPVPSAPIDPQAQLEAD  
 KRAVYRHPLFPLL TLLFEKCEQATQSECITSAFVDVDIENFVHQEQEHKPFSDDPPELDNLMVKAIQV  
 LRIHLLLEKVNELCKDFCNRYITCLKTKMHSNLLRNDLGGPYSNPQPSINLHSQDLLQNSPNSMSGVS  
 NNPQGI VVPASALQQGNIAMTTVNSQVVS GGALYQPVMTVSQGVVTQAIPQGA IQIQNTQVNLDTSL  
 LDNEDKKS KNKRGVLPKHATNIMRSWLFQHLMHPYPTDEKRQIAAQTNLTLLQVNNWF INARRRILQPM  
 LDASNPD PAPKAKKIKSQRPTQRFWPNSIAAGVLQQQGGTPGTNPDGSINLDNLQSLSSDNATMAMQQA  
 MMAAHDDSLDGT EEEDEDDMEEEEEEEEEEELEEEADELQTTNVS DGL EHS DSLE

**TR**TRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9081\\_a08.zip](https://cdn.origene.com/chromatograms/mm9081_a08.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**



**ACCN:** NM\_001029838

**ORF Size:** 1422 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001029838.2](#), [NP\\_001025009.1](#)

**RefSeq Size:** 3550 bp

**RefSeq ORF:** 1425 bp

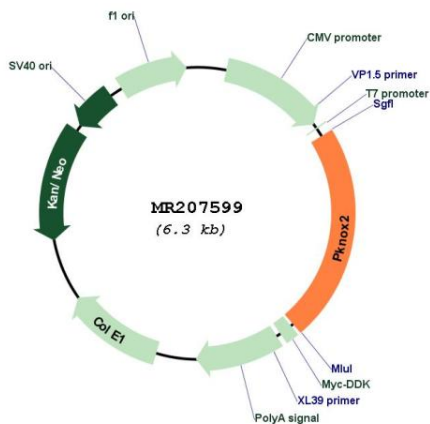
**Locus ID:** 208076

**UniProt ID:** [Q8BG99](#)

**Cytogenetics:** 9 A4

MW: 52.3 kDa

**Product images:**



Circular map for MR207599