

Product datasheet for **MC227878**

Pknox2 (NM_148950) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pknox2 (NM_148950) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pknox2
Synonyms:	D230005H23Rik; Prep2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC227878 representing NM_148950
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGCAACATGCCTCCCCAGCCCCAGCTCTGACAATGATGGCCACGCAGAATGTCCCTCCCCACCCCT
 ACCAGGACAGCCCCAGATGACAGCAACTGCCAGCCACCTTCCAAGGCCAGGCTGTCCACATCTCAGC
 ACCCTCAGCTACCGCCAGCACACCTGTGCCAGTGCCCCATTGATCCCCAAGCCAGCTGGAGGCTGAC
 AAGCGAGCTGTGTACAGGCACCCCTTTTTCCCGCTCCTGACGCTGCTGTTTGAGAAATGTGAACAGGCCA
 CCCAGGGCTCCGAGTGATCACCTCCGCCAGCTTTGATGTGGACATCGAGAACTTTGCCACCAGCAGGA
 GCAGGAACACAAACCCCTTCTCAGCGATGACCCAGAAGTGGACAATCTGATGGTGAAGGCAATCCAGGTC
 CTGAGGATCCACCTGCTAGAGTTGGAGAAAGTCAATGAGCTCTGCAAGGACTTTTGAACCGTTACATCA
 CCTGCCTCAAACCAAGATGCACAGTGATAACCTGCTCAGGAATGACCTCGGGGGGCCCTACTCCCCAA
 CCAGCCCTCCATAAACCTTCACTCACAGGACCTCCTGCAGAATCCCCCAATTCAATGTCTGGAGTCTCC
 AATAACCCCGAGGGATTGTGGTCCCAGCCTCAGCACTCCAGCAGGGCAACATCGCCATGACAACCGTCA
 ATTCTCAAGTCGTGTCAGGTGGAGCCTTATATCAGCCGGTTACCATGGTAACTCCCAAGGTCAGGTGGT
 CACCCAAGCAATCCCCAGGGAGCCATCCAGATCCAGAATACACAGGTTAACCTTGACCTCACCTCCCTC
 CTGGACAATGAGGATAAGAAGTCCAAGAACAACGAGGAGTCTTGCCCAAGCATGCCACCAATATAATGC
 GTTCTTGGCTCTTCCAGCATCTCATGCACCCCTATCCACTGAAGATGAGAAGAGGCAGATTGCCGCGCA
 GACAAACCTCACCTTCTGCAAGTAAACAACCTGGTTTCAATGCCAGGAGGCGCATCTGCAGCCCATG
 CTTGATGCCAGCAACCCAGATCCTGCTCCCAAAGCCAAGAAAATCAAGTCTCAGCACCCGGCCACCCAAA
 GATTCTGGCCCAATTCCATTGCTGGGTTCTGCAACAGCAGGGTGGCACCCAGGGACGAACCCCTGA
 TGGTTCCATCAACTTGGACAACCTGCAGTCCCTGTCTCAGACAATGCCACCATGGCCATGCAGCAGGCA
 ATGATGGCTGCACATGATGATTATTGGATGGCACGGAAGAAGAGGATGAAGATGATATGGAGGAGGAGG
 AAGAGGAGGAGGAGGAGCTAGAGGAGGAGGCTGATGAGCTACAGACAACGAATGTCAGCGACCTGGGCTT
 GGAACACAGTGACTCCCTGGAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_148950
- Insert Size:** 1425 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_148950.3](#), [NP_683752.2](#)

RefSeq Size: 3445 bp

RefSeq ORF: 1425 bp

Locus ID: 208076

UniProt ID: [Q8BG99](#)

Cytogenetics: 9 A4