

Product datasheet for **MC215717**

Pknox1 (NM_016670) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pknox1 (NM_016670) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pknox1
Synonyms:	D17Wsu76e; PREP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC215717 representing NM_016670
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGATGGCGACACAGACGCTAAGTATAGACAGCTATCAAGATGGACAGCAAATGCAGGTGGTCACGGAGT
 TAAAAACAGAGCAAGATCCCAACTGCTCTGACCCAGATGCAGAAGGAGTGAGTCCTCCTCCATCGAGTC
 TCAGACCCCAATGGATGCCGACAAGCAGGCCATTTATAGGCATCCACTATTTCCGTTGCTAGCTTTGTTG
 TTTGAGAAGTGTGAGCAGTCCACACAGGGCTCAGAAGGCACGACGTCTGCCAGCTTCGATGTGGACATTG
 AGAACTTTGTCAGGAAGCAAGAAAAGGATGGGAAACCTTCTTCTGTGAAGATCCGGAACTGACAACT
 AATGGTGAAAGCAATCCAGGTCCTGCGCATTCTCTTCTGAACTGGAGAAGGTTAATGAGCTCTGTAAA
 GATTTCTGTAGTCGGTACATTGCTTGTCTGAAGACAAAAATGAACAGCGAGACCTTGTGAGTGGGGAGC
 CTGGAAGTCCGTAATCCCTGTGCAATCCAGCAGATTTCAGAGTGCCATCACAGGCACGCTCAGCCCCCA
 GGAATCGTGGTCCAGCATCAGCCCTACAACAGGGAAATGTAACCATGGCAACAGTGGCAGGTGGCACA
 GTGTACAGCCTGTACCGTCGTCCTCCGCAAGGCCAAGTGGTCACGCAGGCATTATCTCCTGGGACAA
 TTAGGATCCAGAATCACAGCTGCAGTTGCAGTTGAACCAAGACCTCAGCATCTTGCATCAAGAGGATGG
 CTCCTCCAAGAACAGAGGGGTGTCTGCCGAAGCACGCCACCAACGTGATGCGGTCTGGCTCTTTTCAG
 CACATAGGGCATCCCTACCCAACAGAGGATGAGAAAAAGCAGATTGCTGCTCAGACGAATCTGACCCTGC
 TTCAAGTCAACAATGGTTCATCAACGCGAGAAGACGAATTCTCCAGCCAATGTTGGATTCCAGCTGCTC
 AGAGACTCCAAAAACGAAGAAAAACCTGCTCAGAACAGGCCAGTTCAGAGGTTTTGGCCAGATTCTCTT
 GCATCAGGAGTGGCACAAGCAACACCCAGCGAGCTTGCATGTGAGAAGTGGCGTTGTGACCATCACCA
 CACCTGTAAACATGAATGTGGACAGCCTTCAGTCCCTGCTCAGACGGGGCCACCCTGGCCGTACAGCA
 GGTCAATGATGGCAGGGCAGAGTGAGGACGAGTCGGTGGATAGCACAGAGGATGAGGGCGGCCCTGGCG
 CCCACACACATCAGCGGGCTGGTGTGGAGAACAGCGACTCCCTTCAG**AG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_016670
- Insert Size:** 1311 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.

Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_016670.3</u> , <u>NP_057879.2</u>
RefSeq Size:	4213 bp
RefSeq ORF:	1311 bp
Locus ID:	18771
UniProt ID:	<u>O70477</u>
Cytogenetics:	17 16.78 cM
Gene Summary:	Activates transcription in the presence of PBX1A and HOXA1.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the functional protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.