

Product datasheet for **RN200535**

Arx (NM_001100174) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arx (NM_001100174) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Arx
Synonyms:	RGD1562672
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN200535 representing NM_001100174
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCAATCAGTACCAGGAAGAGGGCTGCTCTGAGAGGCCGAGTGCAAGAGTAAATCGCCAATTGTC
 TCTCCTCTACTGCATCGACAGCATCCTGGGCCGAGAAGCCCGTGC AAAATGAGGCTTCTGGGAGCCGC
 GCAGAGCTTGCTGCCCGCTGGCCAGCCGTA CTGACCAAGAAAAAGCCATGCAAGGCTCCCCAAGGGC
 AGCAGCGCCCCGTTTCAGGGCTGAGCTGCACCTGCCACCCAAGCTGCGGCGCCTGTACGGCCCGGGCGGG
 GCCGCTCCTCCAGGGCGCAGCAGCGGGCAGCGGGCGGCCGCGGGCGGGCGGGCGGCAGCCACGGC
 CACTGGCACCGCAGGTCCCCGTGGAGAGGTTCTCCACCGCCACCGCCAGCAGCACGGCCAGGGGAGCGT
 CAGGACAGCGGGGGCCGTGGCCGCCCGCCCGCTGCTGGGACACGCTCAA AATTAGCCAGGCAC
 CGCAGGTGAGCATCAGCCGACGAAGTCGTACCGGAGAACGGGGCGCCCTTCGTGCCACCGCCGCCCGC
 CCTGGACGAGCTGGTGGTCCGGGGGGCTCGCGACCCAGAGGAGCGCCTCAGCGGGCCAGCGGACCC
 GGCAGTGCCCGCGGGCGGTGGTGGCACGGGCACCGAGGAGGACGAGGAGGAGCTGTTGGAGGATGAGG
 AAGATGAAGATGAGGAAGAGGAGCTGCTGGAGGACGACGAGGAGGAGCTGCTGGAAGACGATGCCCGCGC
 GCTACTCAAGGAGCCCCGGCGCTGCTCTGTGGCCACCACTGGCACGGTGGCCGCCCGCCCGCCCGCC
 GCTGCCCGCCGCCGTGGCCACCGAGGGCGGGGAGCTGTGCGCCAAGGAAGAGCTGTTGCTGCACCCGG
 AGGACGCCGAGGGCAAGGATGGTGAGGACAGCGTGTGCTGTCCGCCGCGCAGCGACTCCGAGGAGGGGT
 CCTGAAGCGAAACAGAGGCGTTACCGCACACGTTACCAGTTACCAGCTGGAGAACTGGAGCGGGCT
 TTCCAGAAGACACTACCCTGACGTCTCACCAGGGAGGAGCTGGCCATGAGGCTGGACCTGACTGAGG
 CCCGAGTCCAGGTGTGGTTCAGAACCGCAGGGCCAAGTGCCGCAAGCGGAGAAGGCTGGCGCGCAGAC
 CCACCCCGGGGCTGCCCTTTCCGGGCCACTCTCGGCTACCCACCCTCTCAGCCCTACCTGGACGCC
 AGCCCTTTCCCGCATCACCCAGCGTTGACTCGGCCTGGACCGCCCGCTGCAGCGCTGCAGCTG
 CCTTCCGAGCCTACCTCCGCCCGGGCTCTGCTAGCCTGCCGCCAGCGGGGCGCCGCTGGGCTGAG
 CACTTCTGGGAGCAGCCGTGTTCCGGCACCCGGCCTTCATCAGCCAGCATTGGCAGGCTCTTTTCC
 ACTATGGCCCCCTGACCAGCGCTGACCGGGCTGCGCTCCTGAGACAGCCACACCCGAGTGGAGG
 GCGCAGTGGCTCGGGCGCGCTGGCCGATCCCGCCACCGCTGCGGCGAGACAGACGCGCATCGAGCATAGC
 GCGCTGAGGCTCAAGGCTAAGGAGCACCGCGCAGCTCACGCAGCTCAACATCTCCCGGCCACCAGC
 ACGGGGAAGGAGGTGTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001100174
- Insert Size:** 1701 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_001100174.1](#), [NP_001093644.1](#)

RefSeq Size: 2861 bp

RefSeq ORF: 1701 bp

Locus ID: 317268

UniProt ID: [A6YP92](#)

Cytogenetics: Xq22

Gene Summary: Transcription factor required for normal brain development. May be important for maintenance of specific neuronal subtypes in the cerebral cortex and axonal guidance in the floor plate (By similarity).[UniProtKB/Swiss-Prot Function]