

Product datasheet for **RR200535**

Arx (NM_001100174) Rat Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>RR200535 representing NM_001100174
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGCAATCAGTACCAGGAAGAGGGCTGCTCTGAGAGGCCAGTGCAAGAGTAAATCGCCAATTGTC
 TCTCCTCTACTGCATCGACAGCATCCTGGGCCGAGAAGCCCGTCAAAATGAGGCTTCTGGGAGCCGC
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 AGCAGCGCCCGTTTCAGGGCTGAGCTGCACCTGCCACCCAAGCTGCGGCGCCTGTACGGCCCGGGCGGG
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Protein Sequence:

>RR200535 representing NM_001100174
 Red=Cloning site Green=Tags(s)

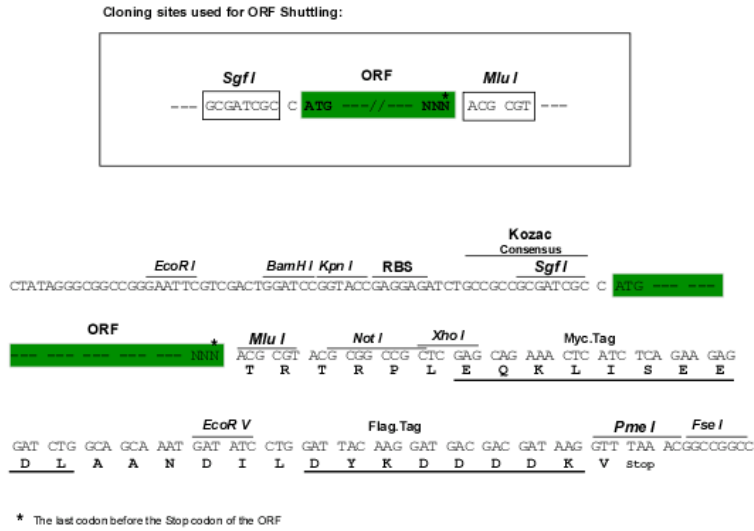
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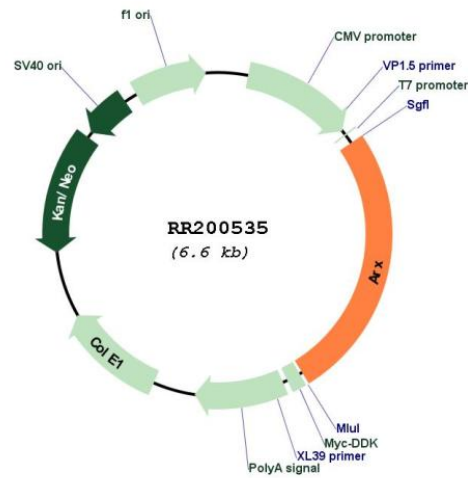
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001100174
 ORF Size: 1698 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:	<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_001100174.1 , NP_001093644.1
RefSeq Size:	2861 bp
RefSeq ORF:	1701 bp
Locus ID:	317268
UniProt ID:	A6YP92
Cytogenetics:	Xq22
MW:	58.6 kDa
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]