

Product datasheet for **RN207890**

Aire (NM_001106379) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aire (NM_001106379) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Aire
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN207890 representing NM_001106379
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTGGTGGGGATGGGATGCTGCGCCGCTGCTGAGGCTGCACCCGACCGAGATCGCAGTGGCCATAG
 ACAGCGCCTTTCCGCTGCTGCATGCTCTGGCCGACCACGACGTGGTCCCTGAGGACAAGTCCAGGAGAC
 ACTCCGGCTGAAAGAGAAGGAAGGCTGCCCCAGGCCCTCCACGCCCTGCTGTCCTGGCTCCTGACTCGG
 GACAGTGGGGCCATCCTGGATTCTGGAGGTTCTCTTTAAGGACTACAATCTGGAGCGGTACAGCCGCC
 TGCATACCATCCTGGACGGCTTTCCAAAAGATGTGGACCTTAGCCAGCCTCGGAAAGGGAGGAAGCCCT
 TGCTGGTCCCAAGGCTTCAGTAGTCCACCCAGACCCCCACAAAGAGAAGGCCCTGGAAGAGCCTCGA
 GCCACCCACCAGCAACTCTGGCCTCAAAGAGCATCTCTAGCCAGGTTCCCACTCAAAGGCCAAACCC
 CTAAGAAGCCAGAGGGCAACTTGGAGTACAGCGCCTCCCACTGGGAAACGGAATCCAGACCATGGCAGC
 TTCTGTCCAGAGAGCTGTACTGTCTCCGGGGATGTCCAGGATCCCGAGGGCTGTGAAGGGATC
 CTATCCAGCAAGTATTCGAGTCAAGGAGATCCAAGAAGTGCATCCAGGTTGGAGGGGAGTTTTATAAAC
 CCAGCAAGTTCGAAGACCCAGTGGCAATTTGAAGAACAAGACCCGAGGTGGTAGCAGCCTAAAGCCAGT
 GATCCGAGGAAAGGGAACCCAGGGTAGAGATGAGCAGAAAGTGAAGCCAGCAGTGTGGGGTCCCTCCCTT
 CCACCTTTCCCAATGAGCCCAAGTTCACCAGAAGAACGAGGATGAATGCGCTGTGTGCCATGACGGAG
 GCGAGCTCATCTGCTGTGACGGCTGTCCCGCGCCTTCCACCTGGCTTGCTGTCCCCACCTCTGCAGGA
 GATCCCAAGTGGCCTTTGGAGATGTTCTGTGCTGCCTCCAGGGCAGAATCCAGCAGAACCTGTCCAGCCT
 GAGGAGTCCAGGCCCTGGAGCCATCTGCAGAGACCCCGATTCTCTGGGACTGAGGTGAGCTCCGAGA
 AAACCAGGGTCCGTCCAGGGAGCTGCCAGCCGGCTCAGATGCTGCAGTACATATGCGAACCTGTGGC
 CCCACCTTCCACAGCCCTGTTCTGGAGCCTTACGCACTCTGCCCTCTACCGAGTGTGGGGCGGAAGGG
 CAGCCGGTCCGACACTGAGCGCGCATGCGGTGTGTGCGGCGACTCCACCGACGTGCTGCGGTGCGCAC
 ACTGTGCCGCTGCCTTTCACTGGCGCTGCCACTTCCCGATGGCTGCTGTCCGGCCAGGGACCAATCTCCG
 CTGCAAGTCTGCTCGGCAGAACCAGTCCACGCGCAGGCGTCCAGGCGAGGCTGTGCCACCGCTGTG
 CGTCCACACCTGGGCTTGCCAAGGTAGGGGACGACTCTGCTAGTCATGACCCTGTTCTGCATAGGGATG
 ACCTGGAGTCCCTCCTGAATGAGCACTCCTTTGACGGCATCTGCAGTGGGCCATCCAGAGCATGTCAGC
 CCCGCTGGCCGAGACACCACCTTTTCTCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001106379
- Insert Size:** 1644 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_001106379.1](#), [NP_001099849.1](#)

RefSeq Size: 1891 bp

RefSeq ORF: 1644 bp

Locus ID: 294328

Cytogenetics: 20p12