

## Product datasheet for **MC219090**

### **Antxr1 (NM\_054041) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Antxr1 (NM_054041) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Antxr1
Synonyms:	2310008J16Rik; 2810405N18Rik; Antrx1; Tem8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219090 representing NM\_054041  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGACCGCGCGGGCGCCTGGGTGCGGGCCTGCGGGACTCTGCGTGGTGCACTCGTGCTCGTGTGCG  
CCGGACACGGGGCCCGCGGAGGATGGGGACCAGCTTGCTACGGAGGATTCGACCTCTACTTCATCCT  
GGACAAGTCAGGAAGTGTGCTGCACCACTGGAATGAAATCTACTCTCGTGGAGCAGTTGGCTCATAGA  
TTCATCAGCCACAGCTAAGGATGTCCTTCATTGTCTTCTACTCGAGGGACAACCTTAAATGAAACTAA  
CTGAGGACAGGGAACAGATCCGACAAGGCCTAGAAGAGCTCCAGAAAGTTCTGCCAGGAGGAGACTTA  
CATGCACGAAGGATTCGAGAGGGCCAGTGAGCAGATTTACTATGAGAACAGTCAAGGATACAGGACGGCG  
AGCGTCATCATCGCGTTGACGGATGGGGAGCTGCACGAGGACCTTCTTCTACTCAGAGAGGGAGGCTA  
ACCGATCCCGAGACCTTGGTGCATTGTTACTGCGTTGGCGTGAAGGATTTCAATGAAACTCAGTTGGC  
TCGGATTGCAGACAGTAAGGACCAGTGTTCCTGTGAACGACGGCTTCCAGGCTCTCCAAGGCATTATC  
CACTCAATTTTAAAGAAATCCTGCATCGAAATTCGGCGGCTGAACCATCCACCATCTGCGCGGGAGAGT  
CCTTTCAAGTGGTCGTAAGAGGAAATGGCTTCCGACATGCCCGCAATGTGGACAGGGTCTCTGCAGCTT  
CAAAATCAATGACTCAGTCACGCTCAATGAGAAGCCCTTGTGTGGAAGACTTATTTGCTGTGCCCA  
GCACCAATCTTGAAGAAGTTGGCATGAAAGCTGCACTGCAGGTGAGCATGAACGACGGCCTGTCCTTCA  
TCTCCAGTTCTGTATCATCACCACCACACTGTTGAGACGGCTCCATCCTGGCGATTGCTCTGCTGGT  
CCTTCTCTGCTGCTGGCCCTGGCGTCTGCTGGTGGTTCTGGCCCTCTGCTGCACAGTGATCATCAAG  
GAGGTCCCTCCACCCCTGTTGAGGAGAGTGAGGAAGAAGACGATGATGGTTTGCCAAAGAAGAAATGGC  
CCACAGTAGATGCCTTTATTATGGTGGACGCGGTGTGGGAGGCATTAAGAATGGAGTCCGCTGGGG  
AGAAAAGGGCTCCACAGAAGAAGGGCGAAGTTAGAAAAGGCAAAGAATGCACGAGTCAAGATGCCAGAG  
CAAGAATATGAGTTCACAGAACCCGAAACCTCAACAACAACATGCGCCGGCCTTCTCGCTCGGAAGT  
GGTACTCGCCATCAAGGAAAACTCGATGCCTTGTGGTTCTGCTGAGAAAAGGATATGACCGAGTGTC  
TGTGATGAGGCCACAGCCAGGAGACACGGGACGCTGTATCAACTTACCAGAGTGAAGAACAGTCAGCCA  
GCCAAGTATCCCCTGAACAACACCTACCACCCAGCTCCCCACCTCCCGCTCCTATCTACACACCCCCAC  
CCCCTGCTCCCCTGCCCTCCCCAGCCCCAGTCCCCCCTCCTCCCATTCTTCCCACCATCCAC  
TCTCCCCCTCCTCCTCAGGCCCAACCCCTAACAGGGCACCTCCCCCTCCCGACTCCTCCAAGGCT  
TCTGTCTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
ACCN: NM\_054041  
Insert Size: 1689 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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\\_054041.2](#), [NP\\_473382.1](#)

**RefSeq Size:** 5280 bp

**RefSeq ORF:** 1689 bp

**Locus ID:** 69538

**UniProt ID:** [Q9CZ52](#)

**Cytogenetics:** 6 D1

**Gene Summary:** Plays a role in cell attachment and migration. Interacts with extracellular matrix proteins and with the actin cytoskeleton. Mediates adhesion of cells to type 1 collagen and gelatin, reorganization of the actin cytoskeleton and promotes cell spreading. Plays a role in the angiogenic response of cultured umbilical vein endothelial cells (By similarity).  
[UniProtKB/Swiss-Prot Function]