

## Product datasheet for **MR208903**

### **Antxr1 (NM\_054041) Mouse Tagged ORF Clone**

#### **Product data:**

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



[View online »](#)

**ORF Nucleotide Sequence:**

>MR208903 representing NM\_054041  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGACCGCGCGGGCGCCTGGGTGCGGGCCTGCGGGACTCTCGTGGTGCACCTCGTCTCGTGTGCG  
 CCGGACACGGGGCCCGCGGAGGATGGGGACCAGTTGCTACGAGGATTCGACCTCTACTTCATCCT  
 GGACAAGTCAGGAAGTGTGCTGCCACTGGAATGAAATCTACTCTCGTGGAGCAGTTGGCTCATAGA  
 TTCATCAGCCACAGCTAAGGATGTCCTTCATTGTCTTCTACTCGAGGGACAACCTTAAATGAACTAA  
 CTGAGGACAGGGAACAGATCCGACAAGGCTAGAAGAGCTCCAGAAAGTTCTGCCAGGAGGAGACTTA  
 CATGCACGAAGGATTCGAGAGGGCCAGTGAGCAGATTTACTATGAGAACAGTCAAGGATACAGGACGGCG  
 AGCGTCATCATCGCTTGACGGATGGGAGCTGCACGAGGACCTTCTTCTACTCAGAGAGGGAGGCTA  
 ACCGATCCCGAGACCTTGGTGCATTGTTACTGCGTTGGCGTGAAGATTTCAATGAACTCAGTTGGC  
 TCGGATTCGACACAGTAAGGACCAGTGTTCCTGTGAACGACGGCTTCCAGGCTCTCCAAGGCATTATC  
 CACTCAATTTTAAAGAAATCCTGCATCGAAATTCGGCGCTGAACCATCCACCATCTGCCGCGGAGAGT  
 CCTTCAAGTGGTCGTAAGAGGAAATGGCTCCGACATGCCCGCAATGTGGACAGGGTCTCTGCAGCTT  
 CAAAATCAATGACTCAGTCACGCTCAATGAGAAGCCCTTGTGTGGAAGACTTATTTGCTGTGCCCA  
 GCACCAATCTTGAAGAAGTTGGCATGAAAGCTGCACTGCAGGTGAGCATGAACGACGGCCTGTCCTTCA  
 TCTCCAGTTCTGTATCATCACCACCACACTGTTGAGACGGCTCCATCCTGGCGATTGCTCTGCTGGT  
 CCTTCTCTGCTGCTGGCCCTGGCGTCTGCTGGTGGTTCTGGCCCTCTGCTGCACAGTGATCATCAAG  
 GAGGTCCTCCACCCCTGTTGAGGAGAGTGAGGAAGAAGACGATGATGGTTTCCAAAGAAGAAATGGC  
 CCACAGTAGATGCCTCTATTATGGTGGACGCGGTGTGGGAGGCATTAAGAAGTGGAGTCCGCTGGGG  
 AGAAAAGGGCTCCACAGAAGAAGGGGCGAAGTTAGAAAAGGCAAAGAATGCACGATCAAGATGCCAGAG  
 CAAGAATATGAGTTCACAGAACCAGAACCTCAACAACAACATGCGCCGGCCTTCTCGCTCGGAAGT  
 GGTACTCGCCATCAAGGAAAACCTCGATGCCTTGTGGTTCTGCTGAGAAAAGGATATGACCGAGTGTC  
 TGTGATGAGGCCACAGCCAGGAGACACGGGACGCTGTATCAACTTACCAGAGTGAAGAACAGTCAGCCA  
 GCCAAGTATCCCCTGAACAACACCTACCACCCAGCTCCACCTCCCGCTCCTATCTACACACCCCCAC  
 CCCCTGCTCCCACTGCCCTCCCAAGCCCAAGTCCCACTCCTCCATTCTTCCCACTCCAC  
 TCTCCCCCTCCTCAGGCCCAACCCCTAACAGGGCACCTCCCCCTCCGACCTCCTCAAGGCT  
 TCTGTC

**ACGCGT**ACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR208903 representing NM\_054041  
 Red=Cloning site Green=Tags(s)

MDRAGRLGAGLRGLCVAALVLCAGHGGRRREDGGPACYGGFDLYFILDKSGSVLHHWNEIYYFVEQLAHR  
 FISPQLRMSFIVFSTRGTLMKLTEDREQIRQGLEELQKVLPGDYMHEGFERASEQIYYENSQGYRTA  
 SVIIALTDGELHEDLFFYSEREANRSRDLGAIYVCVGVKDFNETQLARIADSKDHVFPVNDGFQALQGII  
 HSILKKSCEILAAEPSTICAGESFQVVVRNGFRHARNVDRVLCSEFKINDSVTLNEKPFAVEDTYLLCP  
 APILKEVGMKAALQVSMNDGLSFISSSVIITTHCSGSIILAIALLVFLLLALALLWWFPLCCTVIK  
 EVPPPPVEESEEEDDGLPKKKWPTVDASYYGGRGVGGIKRMEVVRWGEKSTEEGAKLEKAKNARVKMPE  
 QEYEFPEPRNLNNMRRPSSPRKWYSPIKGLDALWVLLRKGYDRVSVMRPPQPGDTGRCINFTRVKN SQP  
 AKYPLNNTYHPSSPPPAPYITPPPPAPHCPPPAPSAPTPIPSPPSTLPPPPQAPPPNRAPPPSRPPPRP  
 SV

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9015\\_c02.zip](https://cdn.origene.com/chromatograms/mm9015_c02.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**

**ACCN:** NM\_054041

**ORF Size:** 1686 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](#)

**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:**
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

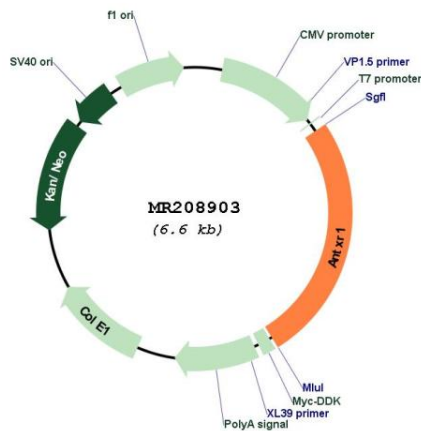
UniProt ID: [Q9CZ52](#)

Cytogenetics: 6 D1

MW: 62.8 kDa

**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]

**Product images:**



Circular map for MR208903