

Product datasheet for **MG208903**

Antxr1 (NM_054041) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Antxr1 (NM_054041) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Antxr1
Synonyms:	2310008J16Rik; 2810405N18Rik; Antrx1; Tem8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208903 representing NM_054041
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGACCGCGCGGGCGCCTGGGTGCGGGCCTGCGGGACTCTGCGTGGTGCACCTCGTGCTCGTGTGCG
 CCGGACACGGGGCCCGCGGAGGATGGGGACCAGCTTGCTACGAGGATTCGACCTCTACTTCATCCT
 GGACAAGTCAGGAAGTGTGCTGCACCACTGGAATGAAATCTACTACTTCGTGGAGCAGTTGGCTCATAGA
 TTCATCAGCCACAGCTAAGGATGTCCTTCATTGTCTTCTACTCGAGGGACAACCTTAAATGAAACTAA
 CTGAGGACAGGGAACAGATCCGACAAGGCCTAGAAGAGCTCCAGAAAGTTCTGCCAGGAGGAGACTTA
 CATGCACGAAGGATTCGAGAGGGCCAGTGAGCAGATTTACTATGAGAACAGTCAAGGATACAGGACGGCG
 AGCGTCATCATCGCGTTGACGGATGGGAGCTGCACGAGGACCTTCTTCTACTCAGAGAGGGAGGCTA
 ACCGATCCCGAGACCTTGGTGCATTGTTACTGCGTTGGCGTGAAGATTTCAATGAAACTCAGTTGGC
 TCGGATTGCAGACAGTAAGGACCAGTGTTCCTGTGAACGACGGCTTCCAGGCTCTCCAAGGCATTATC
 CACTCAATTTTAAAGAAATCCTGCATCGAAATTCGGCGCTGAACCATCCACCATCTGCGCGGGAGAGT
 CCTTCAAGTGGTCGTAAGAGGAAATGGCTTCCGACATGCCCGCAATGTGGACAGGGTCTCTGCAGCTT
 CAAAATCAATGACTCAGTCACGCTCAATGAGAAGCCCTTGTGTGGAAGACACTTATTTGCTGTGCCCA
 GCACCAATCTTGAAGAAGTTGGCATGAAAGCTGCACTGCAGGTGAGCATGAACGACGGCCTGTCCTTCA
 TCTCCAGTTCTGTATCATCACCACCACACTGTTGAGACGGCTCCATCCTGGCGATTGCTCTGCTGGT
 CCTTCTCTGCTGCTGGCCCTGGCGTCTGCTGGTGGTCTGGCCCTCTGCTGCACAGTGATCATCAAG
 GAGGTCCTCCACCCCTGTTGAGGAGAGTGAGGAAGAAGACGATGATGGTTTCCAAAGAAGAAATGGC
 CCACAGTAGATGCCTTTATTATGGTGGACGCGGTGTGGGAGGCATTAAGAATGGAGTCCGCTGGGG
 AGAAAAGGGCTCCACAGAAGAAGGGCGAAGTTAGAAAAGGCAAAGAATGCACGAGTCAAGATGCCAGAG
 CAAGAATATGAGTTCACAGAACCCTCAACAACAACATGCGCCGGCCTTCTCGCTCGGAAGT
 GGTACTCGCCATCAAGGAAAACCTCGATGCCTTGTGGTTCTGCTGAGAAAAGGATATGACCGAGTGTC
 TGTGATGAGGCCACAGCCAGGAGACACGGGACGCTGTATCAACTTACCAGAGTGAAGAACAGTCAGCCA
 GCCAAGTATCCCCTGAACAACACCTACCACCCAGCTCCACCTCCCGCTCCTATCTACACACCCCCAC
 CCCCTGCTCCCACTGCCCTCCCCAGCCCCAGTCCCCCACTCCTCCCATTCTTCCCACCATCCAC
 TCTCCCCCTCTCTCAGGCCCAACCCCTAACAGGGCACCTCCCCCTCCCGACTCTCCAAGGCC
 TCTGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG208903 representing NM_054041
 Red=Cloning site Green=Tags(s)

MDRAGRLGAGLRGLCVAALVLCAGHGRRREDGGPACYGGFDLYFILDKSGSVLHHWNEIYYFVEQLAHR
 FISPQLRMSFIVFSTRGTLMKLTEDREQIRQGLEELQKVLPGDYMHEGFERASEQIYYENSQGYRTA
 SVIIALTDGELHEDLFFYSEREANRSRDLGAIYVCVGVKDFNETQLARIADSKDHVFPVNDGFQALQGII
 HSILKKSIEILAAEPSTICAGESFQVVVRNGFRHARNVDRVLCSEKINDSVTLNEKPFAVEDTYLLCP
 APILKEVGMKAALQVSMNDGLSFISSSVIITTHCSDSILAIALLVFLLLALALLWFWPLCCTVIK
 EVPPPPVEESEEEDDGLPKKKWPTVDASYYGGRVGGIKRMEVVRWGEKSTEEGAKLEKAKNARVKMPE
 QEYEFPEPRNLNNMRRPSSPRKWYSPIKGLDALWLLRKGYDRVSVMRPQPGDTRCINFTRVKN SQP
 AKYPLNNTYHPSSPPPAPIYTPPPAPHCPPPAPSAPTPIPSPPSTLPPPPQAPPPNRAPPPSRPPRP
 SV

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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 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

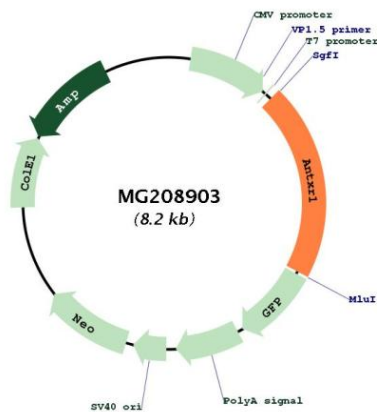
Locus ID: 69538

UniProt ID: [Q9CZ52](#)

Cytogenetics: 6 D1

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 MG208903