

## Product datasheet for **MR207803**

### Antxr2 (NM\_133738) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Antxr2 (NM_133738) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Antxr2
Synonyms:	2310046B19Rik; AW561899; cl-35; CMG-2; CMG2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR207803 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGTGGCCGGTTCGGTCCCGGGCGCGCAGCCCTGGGAGCTGGCTGTTCCCTGGCCTGTGGTTGTTGGCTG  
 TGGGCGGTCCGGGTCGTTGCTGCAAGCCAGGAGCAGCCCTCTTGCAAAAAAGCCTTCGATTTGTA  
 CGTACTGGACAAGTCTGGCAGTGTAGCAAATAACTGGATTGAAATTTATAATTTTGTCCACCAGCTGACA  
 GAGAGATTTGTGAGCCCTGAAATGAGATTGTCCTTCATTGTGTTTTCTTCCCAAGCAACCATTATTTTGC  
 CATTAAGTGGAGACAGGTACAAAATTGGCAAAGGACTGGAGGATTTAAAGGCCGTTAAGCCAGTTGGAGA  
 AACATACATCCATGAAGGACTAAAGCTTGCAAACGAACAATTCAAAATGCAGGAGGCTTAAAGCCTCC  
 AGTATCATAATTGCTTTGACGGACGTAAGCTGGACGGCCTGGTACCATCTTATGCAGAGAACGAGGCAA  
 AGAAGTCCAGTCACTTGGCGCTAGTGTACTGCGTTGGGTCCTTGATTTTGAACAAGCTCAGCTGGA  
 AAGAATTGCTGATTCCAAGGACCAGTTTTCCCTGTCAAAGGTGGATTTCAAGCTCTCAAAGGCATCATC  
 AACTCTATATTAGCTCAATCATGTACTGAAATCCTGGAATTGAGTCCTCAAGTGTCTGTGAGGGGAGA  
 AATTTCAAGTTGTTCTGACTGGAAGAGCAGTCACGTCGATCAGTCACGATGGCAGTGTCCCTCTGTACATT  
 CACTGCAAACAGCACATATACAAAGAGTGAGAAGCCAGTGAAGCATTACAGCAAGTTCCATCCTTTGTCT  
 GCACCTGTCTGAACAAAGATGGAGAACTCTTGAAGTTTCAATCAGCTATAATGATGGGAAGTCTGCTG  
 TCTCAAGATCCTTAACAATCACAGCCACAGAATGTACCAATGGGATTGCAGCCATCGTAGCTATTTTGGT  
 GTTGTGTGCTCTTGGGTGCTGCCTTGATGTGGTGGTTTTGGCCCTTGTCTGCAAAGTGGTTATCAAG  
 GACCCCTCCCCACCACCTCTGCACCAATGGAGGAGGAGGAGGATCCTTTGCCCAACAAGAAGTGGC  
 CGACTGTGGACGCTTCTACTACGGAGGTCGAGGTGTTGGAGGAATTAAGGATGGAGGTCGCTGGG  
 AGATAAAGGATCTACAGAGGAAGGTGCAAGGCTAGAGAAAGCAAAAAATGCTGTGGTGTGGTCCCTGAA  
 GAAGAGATCCCCATCCCATCCAGACCACCTCGACCCAGACCCACACACCAGGCACCTCAGACAAAGTGGT  
 ACACGCCAATCAAGGGTCGTTTGGATGCACTCTGGGCTTGTATCATGAAGCAGTATGACCGGGTGTCTT  
 GATGAGACCCAGGAAGGTGATGAGGGCCGATGCATAAATTCTCCCGGTTCCACATCAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR207803 protein sequence  
 Red=Cloning site Green=Tags(s)

MVAGRSRARSPPSWLFPGLWLLAVGGPGSLLQAQEQPSCKKAFDLYFVLDKSGSVANNWIEIYNFVHQLT  
 ERFVSPERMRLSIFVSSQATIIILPLTGDRYKIGKLEDLKAVKPVGETYIHEGLKLANEQIQNAGGLKAS  
 SIIIALTDGKLDGLVPSYAENEAKKSRSLGASVYCVGVLDLFEQAQLERIAADSKDQVFPVKGGFQALKGII  
 NSILAQSCTEILELSPSSVCVGEKFQVLTGRAVTSISHDGSVLCFTANSTYTKSEKPVSIQSSILCP  
 APVLNKDGETLEVSIYNDGKSAYSRSLTITATECTNGIAAIVAILVLLLLLGAALMWWFPLCCKVVIK  
 DPPPPPSAPMEEEEEEDPLPNKKWPTVDASYGGRGVGGIKRMEVVRWGDKGSTEEGARLEKAKNAVVMVPE  
 EEIPIPSRPPRPRPHQAPQTKWYTPIKGRDLALWALIMKQYDRVSLMRPQEGDEGRGINFSRVPHQ

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_133738

**ORF Size:** 1464 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:**

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\\_133738.2](#)
**RefSeq Size:** 3776 bp

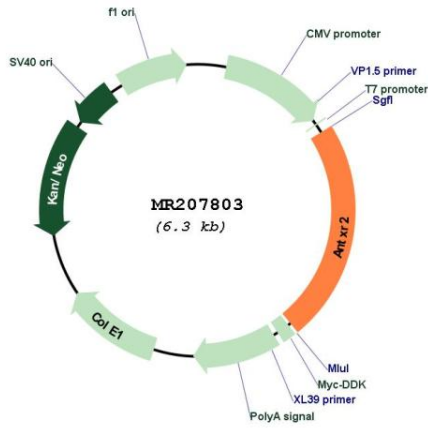
**RefSeq ORF:** 1464 bp

**Locus ID:** 71914

**UniProt ID:** [Q6DFX2](#)

**Cytogenetics:** 5 E3  
**MW:** 53.2 kDa  
**Gene Summary:** Necessary for cellular interactions with laminin and the extracellular matrix.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR207803