

Product datasheet for **MG213901**

Antxrl (NM_172808) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Antxrl (NM_172808) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Antxrl
Synonyms:	1700112N15Rik; 4933430J11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG213901 representing NM_172808
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGAGCCACAGTCCCTCCATGCCTTGTTCGGCACTTTTTCTGCTCCTGCTCCTGTTGCTTCTCCCA
 CTTTTAAAGTGGGAGCCTCCGATACCATGGTCTGGCTGAAAATTATCCACCGCTGAGCAAAGGCTT
 CAGAAGTTCCACCAACGCCAGACACAGCAAATGAGGCAAAACGTGCCTCAGGGTCAATCGGAGATGAT
 TGT**CAGGGTATTTTCGACCTCTACCTCGTCTGGACAAATCAGGCAGTGTGGCGGACAACTGGATCCACA**
 TTTATTCAATTTGCAGAGGGTTTGGTGAAGAAATTCACAAACCCTAACCTGCGGATCTCCATCATTACCTA
 CTCAACAGAGGCTGAAGTTATCCTGCCACTCACCTCAGACAGTAAAGAAATCAATAAGAGCCTTCTCGTG
 CTTAAGAACATAGTGCCTCAAGGACTCACACATGCAGAAAGGACTAAGAAAGGCAAACGAACAGATCC
 GAAAATCTACCTGGGAGGCCGATTGTCAACAGCGTGATTATTGCTCTGACTGATGGGCTATTGCTGCT
 AAAGCCATATCTTGACACTATGGAAGAGGCCAAAAAGCCGGAGAATGGGAGCAATCGTTTACACCGTG
 GGTGTTTTTATGTATAGCAAACAGCAGTTGGTGAATATTGCGGGCGACCCAGATCGCTGTTTTGGGGTTG
 ATGAAGGGTTCTCTGCTCTGGAGGGCGTCTTGACCCACTTACTTCCAAGTCTGTACTGAAATACTATC
 CGTGCAGCCTACCTACGTTTGTGCAAAAGACTTCTATCAAGTAAACATTAGTGGACATGGGCTTAATAAT
 ACAAGCAATATGAAGCAAGTCAATTTGTAGATTCAAATTCAGTGACTCCAAAGTCGTTGATGAAAAGTCCCA
 GTGATATGAATGAGCACAGTATAACCTGTCTGGACCAAAGATAAAACACACTGGAGAGGACGTTTCTCT
 TCAAGTCAGTCTGAACAATGGCATCTCCTTCATTGGGAACAACTCATTATAACCACTACCACTGCTGG
 AGTCTTAGGGCATCACAAGGCATCGTGTCAAGAGGACCTGGCTGATGTTCTGCCAGTCTTCTGGTGA
 CTCTACTTTGCTGTGCTGCACCTGGAAGCTTTGCATAAAAGCCTAAGAAACTGCCGCCACTCCCCAAA
 GCCAGAGAAGGAGCCAGAGGAAGAGAGCCCTCCTCCTTACACCACAGCTCCTGGTCGTGGTCTGTT
 CCTGGTCTAGTCTGGTCTGGTCTGGTCTGGTCTAGTCTGGTCTGGTCTGGTCTGGTCTGGTCTGGT
 TTCCTGCTCGTCTCCTCCAGCCCCATTGCCTGCCAACACAAACCCTACTGTGATCGTTGCCTGCTGTGG
 CTGTGGCAACAGAGGCATGCAGGGAAACCTGGACACATGCTGTGACTACTTTCACCCAAGCTGCCACCCG
 ATGCCATTGGTTTGGTGTATCCAAGGCGCAGGGAGGCTATCCCGGCTTCGCTGTGATGAAACCCAGCT
 GCTCACAGGCCTCCTGCCGCAAAGCACTGCCTTTGTTCCAATCGGGATTGTTTTACCTTGCAGAACC
 ACCATACCCACAAGGATTGTCTTTCAACCAATGAGAAGTATTCAGCATCACACAGTCACTACAGC
 CCAAAGATCCGCTTTCAAACCAACCAAGAAAGTCTCCAGTTGCACAGACTCTGTGCTCAAAGATGTGTT
 CACCACCAATCAGGAGTGTACTACTTTCAAATCCCACAGTCCCATACCAAGCCAGGTATACCAAGTC
 TCCCGCCAGGATGCTGCCTCTGCTCCCGCCCATACCCGGCAATCTTTAGAATCCCTTTGTCACACCTAT
 CCTTTCCCCCAATCTCTAAAGGACCAAAGTTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG213901 representing NM_172808
 Red=Cloning site Green=Tags(s)

MMSHSPSMPCSAFLLLLLLLPPTFKGGSRLRYHGPWKLFRHLSKGRSSHQRQTQQMRQNVPPQGSGDD
 CQGI¹FDLYLVLDKSGSVADNWIHIYSFAEGLVKKFTNPNLRISIIITYSTEA²EVLPLTSDSKEINKSLLV
 LKNI³V⁴P⁵Q⁶GLTHMQKGLRKANEQIRKSTLGGRI⁷VNSV⁸I⁹ALTDGLLLKPYLDTMEEAKKARRMGAIVYTV
 GVFMYSKQQLVNIAGDPDRFCFVDEGFSALEGVVDPLTSKSCTEILSVQPTYVCAKDFYQVNI¹⁰SGHGLNN
 TSNMKQVICRFKFSDSKVVDES¹¹SPSDMNEHSITCPGPKIKHTGEDVSLQVSLNNGISFIGNKLIIITSTNCW
 SPRASQGI¹²VFKRTWLMFLPVLLVTL¹³LLCCTWKL¹⁴CIKPKKLPPPPPKPEKEPEEESPPPSPAPGRGPG
 PGPSAGPGPGPGSPGSPARSPV¹⁵PARPPAPL¹⁶PANTNPTVIVACCGCGNRGMQGNLDTCCDYFHP¹⁷SCHP
 MPLVWCHPKAQGGYPGF¹⁸AVMKPSCSQASCRQK¹⁹CHCLCSNRDCFHLAEPYPTRIVFQ²⁰NEKYFSITQSHYS
 PKIRFQTNQESLPVAQTLCSKMCSPNQEYTFKSPQSPYQARYTKSPARMLPLLP²¹PHTRQ²²SLES²³LCHTY
 PFPPI²⁴SKGPKF

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



ACCN: NM_172808

ORF Size: 1923 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_172808.2](#), [NP_766396.2](#)

RefSeq Size: 2126 bp

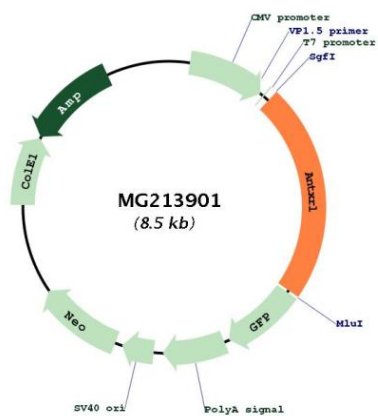
RefSeq ORF: 1926 bp

Locus ID: 239029

UniProt ID: [Q8BVM2](#)

Cytogenetics: 14 B

Product images:



Circular map for MG213901