

Product datasheet for **MG210915**

Axin2 (BC057338) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Axin2 (BC057338) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Axin2
Synonyms:	Axi1, Conductin, Axil
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG210915 representing BC057338
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGTAGCGCCGTGTTAGTGACTCTCCTTCCAGATCCCAGCAGCAGCTCCGCGAGGATGCTCCGCGGC
 CCCCGTTCCGGGAGAAGAAGGGGAGACCCACCGTGTACGCCTAGTGTGGCAAGGTCCAGTCCACCAA
 ACCTATGCCCGTTTCTCTAATGCTAGGCGGAATGAAGATGGACTGGGGGAGCCCAGGGGCGGGCTCC
 CCCGATCCCCTTTGACCAGGTGGACCAAGTCTTTACACTCCTTGTGGGTGACCAGGATGGTGCATACC
 TCTTCCGACTTTCTGGAGAGGGAGAAATGTGTGGATACGCTGGACTTCTGGTTTGCTTGAATGGGTT
 CAGGCAGATGAACCTGAAGGATACCAAACTTTGCGAGTGGCCAAAGCAATCTATAAGAGGTACATTGAG
 AACACAGCGTTGTCTCAAGCAGCTGAAGCCCGCCACCAAGACCTACATACGAGATGGCATCAAGAAGC
 AACAGATCGGCTCGTCAATGTTTACCAGGCACAGACCGAGATCCAGGCAGTGATGGAGGAAAATGCCTA
 CCAGGTGTTCTTGACTTCTGACATTTACCTGGAATATGTGAGGAGTGGGGGGAAAACACAGCTTACATG
 AGTAACGGGGGACTGGGGAGCCTAAAGGTCTTATGTGGCTACCTCCACCTTGAATGAAGAAGAGGAGT
 GGACGTGTGCCGACCTCAAGTGCAAACTCTCACCCACCGTGGTTGGCTTGTCCAGCAAACTCTTCGGGC
 CACCGCGAGTGTGAGATCCACGAAACAGCTGAAAACGGATTACGGTCTTCAAGAGAAGCGACCCAGTC
 AATCCTTATCACGTAGGTTCCGGCTATGTCTTTGCACCAGCCACCAGCGCAACGACAGCGAGTTATCCA
 GCGACGCACTGACCGACGATTCCATGTCCATGACGGACAGTAGCGTAGATGGAGTCCCTCCTTACCGCAT
 GGGGAGTAAGAAACAGCTCCAGAGAGAGATGCATCGCAGTGTGAAGGCCAATGGCCAAGTGTCTCTACCT
 CATTTCGAGAACCCACCGCTGCCAAGGAGATGACGCCTGTGGAACCTGCTGCCTTCGCGCGGAGC
 TCATCTCAGGCTGGAGAACTGAACTGGAGCTGGAAAGCCGCCATAGTCTGGAGGACGGCTGCAGCA
 GATCCGGGAGGATGAAGAAAAGGAGGGTCTGAGCAGGCCTGAGCTCACGGGATGGAGCACCGGTCCAG
 CACCCCTGGCCCTCTACCCTCCGCGAGCTATGAAGAGGACCCACAAACCATTTTGACGACCACTCT
 CCAGGGTCTCAAGACCCCGGCTGTCAATCCCCTGGTGTGGTGCATAGCCACGGTCCCGCTCCCC
 CGACCACCACCAGCACCACCACCATCAGCAGTGTCAACCCTTCTCCGACTGGGGCAAGCTGCC
 CCCGTGGTGTGCTGCCCTCCTTGAGGCAAGAGCTTCTGACCAACAGACGACGAAGCACGTTACCC
 ACCACTACATCCACCACCAGCTGTCCCAAGACCAAGGAGGAGATCGAGGCAGAAGCCACACAGAGAGT
 CCGCTGCCTGTCTGGGGAACAGATTATTATTGCTACTCAAATGCAAAAGCCACCCAAAGGCTCCA
 GAGCCCTGCCTGGGAGCAGTTTTGTGGCAGCAGAGGTGGTACCTTGCCAAAACGGAATGCAAAGGGCA
 CCGAACCGGGTCTGCACTGTCCGCCAGGATGGAGGGATGTCCAGTGCAGCGGGGGCCCCCAGCTTCC
 TGGGGAAGAAGGAGACCGGTACAGGATGTCTGGCAGTGGATGTTAGAGAGTGAGCGGCAGAGCAAGTCC
 AAGCCCATAGTGCCCAAAGCATAAGAAAGAGCTACCCATTGGAGTCTGCCTGTGCGGCCCCAGGAGAAC
 GAGTCAGCCGGCACCATCTGTTGGGGGCCAGGGACACTCCCCTCGGTGGCCGGGCTCACCCATTTAC
 CCAGGACCCTGCAATGCCTCCCCTTACCCACCAACACTTTGGCACAGCTAGAGGAAGCCTGCCGAGG
 CTGGCAGAGGTGTGAAGCCCCAGAAGCAGCGGTGCTGCGTGGCCAGTCAGCAGAGGGACAGGAACCACT
 CGGCTGCTGGTCAGGCAGGAGCCTCACCTTCGCCAACCAAGCCTGGCTCCAGAAGATCACAAAGAGCC
 AAAGAACTGGCAAGTGTCCACGCGCTCCAGGCCAGTGAGCTGGTTGTACCTACTTTTTCTGTGGAGAA
 GAAATTCATACAGGAGGATGCTGAAGGCTCAAAGCTTGACCCTGGGCCACTTCAAGGAGCAGCTCAGCA
 AAAAGGGAAATTACAGGTATTATTTCAAGAAGGCGAGTGACGAATTTGCCTGCGGAGCAGTTTTTGGAG
 GATCTGGGACGACGAGACAGTGCTCCCATGTACGAAGGCAGGATCCTGGGCAAAGTGGAGAGGATCGAC

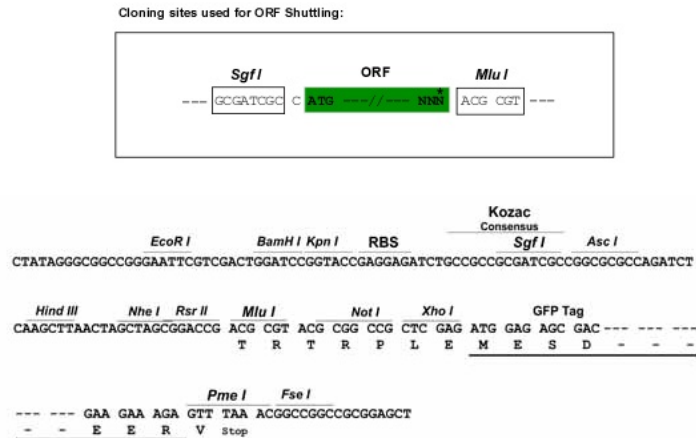
ACCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG210915 representing BC057338
 Red=Cloning site Green=Tags(s)

```
MSSAVLVTLTPDPSSSFREDAPRPPVPGEEGETPPCQPSVGKVVQSTKMPVSSNARRNEDGLGEPEGRAS
PDSPLTRWTKSLHSLLDGQDGYLFRFLEREKCVDTLDFWFACNGFRQMNLKDTKTLRVAKAIYKRYIE
NNSVVSKQLKPATKTYIRDGIKKQIGSVMFDQAQTEIQAVMEENAYQVFLTSDIYLEYVRS GGENTAYM
SNGGLGSLKVLGGYLP LNEEEEWTCADLKCKLSPTVVGLSSKTLRATASVRSTETAENGF RSFKRSDPV
NPYHVGSGYVFAPATSANDELS DALTDDSMSMTDSSVDGVPPYRMGSKKQLQREMHR SVKANGQVSLP
HFRPRTHRLPKEMTPVEPAFAAELISRLEKLELESRHSLEERLQQIREDEEKEGSEQALSSRDGAPVQ
HPLALLPSGSYEEDPQTILDDHLSRVLKTGPGQSPGVGRYSPRSRSPDHHHQHHHHQQCHTLLPTGGKLP
PVAACPLLGGKSFLTKQTTKHVHHHYIHHHAVPKTKEEIEAEATQVRVCLCPGGTDYYCYSKCKSHPKAP
EPLPGEQFCGSRGGTLPKRNAKGTEPLAL SARDGGMSSAAGAPQLPGEEGDRSQDVWQWMLESERQSKS
KPHSAQSIRKSYPLESACAAPGERVSRHLLGASGHSRSVARAHPFTQDPAMPPLTPPNTLAQLEEACRR
LAEVSKPQKQRCCVASQQRDRNHS AAGQAGASPFANPSLAPEDHKEPKKLASVHALQASELVVTTYFFCGE
EIPYRRMLKAQSLTLGHFKEQLSKKGNYRYFFKASDEFACGAVFEEIWDEETVLPMEGRILGKVERID
```

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-Mlul

Cloning Scheme:


ACCN: BC057338

ORF Size: 2522 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: [BC057338](#), [AAH57338](#)

RefSeq Size: 4263 bp

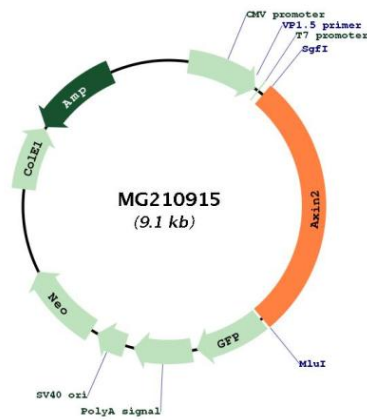
RefSeq ORF: 2522 bp

Locus ID: 12006

Cytogenetics: 11 71.83 cM

Gene Summary: Inhibitor of the Wnt signaling pathway. Down-regulates beta-catenin. Probably facilitate the phosphorylation of beta-catenin and APC by GSK3B.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG210915