

## Product datasheet for **MC221990**

### Axin2 (NM\_015732) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Axin2 (NM_015732) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Axin2
Synonyms:	Axi1; Axil; Conductin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221990 representing NM\_015732  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAGTAGCGCCGTGTTAGTGACTCTCCTTCCAGATCCCAGCAGCAGCTCCGCGAGGATGCTCCGCGGC  
 CCCCGTTCCGGGAGAAGAAGGGGAGACCCACCGTGTCAGCCTAGTGTGGCAAGGTCCAGTCCACCAA  
 ACCTATGCCCGTTTCTCTAATGCTAGGCGGAATGAAGATGGACTGGGGGAGCCCAGGGGCGGGCTCC  
 CCCGATCCCCTTTGACCAGGTGGACCAAGTCTTTACACTCCTTGTGGTGACCAGGATGGTGCATACC  
 TCTTCCGACTTCTGGAGAGGGAGAAATGTGTGGATACGCTGGACTTCTGGTTTGCTTGAATGGGTT  
 CAGGCAGATGAACCTGAAGGATACCAAACTTTGCGAGTGGCCAAAGCAATCTATAAGAGGTACATTGAG  
 AACACAGCGTTGTCTCAAGCAGCTGAAGCCCGCCACCAAGACCTACATACGAGATGGCATCAAGAAGC  
 AACAGATCGGCTCGGTCAATGTTGACCAGGCACAGACCGAGATCCAGGCAGTGATGGAGGAAAATGCCTA  
 CCAGGTGTTCTTGACTTCTGACATTTACCTGGAATATGTGAGGAGTGGGGGGAAAACACAGCTTACATG  
 AGTAACGGGGGACTGGGGAGCCTAAAGGTCTTATGTGGCTACCTCCACCTTGAATGAAGAAGAGGAGT  
 GGACGTGTGCCGACCTCAAGTGCAAACTCTCACCCACCGTGGTTGGCTTGTCCAGCAAACTCTTCGGGC  
 CACCGGAGTGTGAGATCCACGGAAACAGCTGAAAACGGATTCAAGTCTTCAAGAGAAGCGACCCAGTC  
 AATCCTTATCACGTAGGTTCCGGCTATGTCTTTGCACCAGCCACCAGCGCAACGACAGCGAGTTATCCA  
 GCGACGCACTGACCGACGATTCCATGTCCATGACGGACAGTAGCGTAGATGGAGTCCCTCCTTACCGCAT  
 GGGGAGTAAGAAACAGCTCCAGAGAGAGATGCATCGCAGTGTGAAGGCCAATGGCCAAGTGTCTCTACCT  
 CATTTCGAGAACCCACCGCTGCCAAGGAGATGACGCCTGTGGAACCTGCTGCCTTCGCGCGGAGC  
 TCATCTCCAGGCTGGAGAACTGAACTGGAGCTGGAAAGCCGCCATAGTCTGGAGGACGGCTGCAGCA  
 GATCCGGGAGGATGAAGAAAAGGAGGGGTCTGAGCAGGCCCTGAGCTCACGGGATGGAGCACCGGTCAG  
 CACCCCTGGCCCTCTACCCTCCGGCAGCTATGAAGAGGACCCACAAACCATTTTGACGACCACTCT  
 CCAGGGTCTCAAGACCCCGGCTGTCAATCCCCTGGTGTGGTGCATAGCCACGGTCCCGCTCCCC  
 CGACCACCACCAGCACCACCACCATCAGCAGTGTCAATACCCTTCTCCGACTGGGGCAAGCTGCC  
 CCCGTGGTGTGCTGCCCTCCTTGGAGGCAAGAGCTTCTGACCAACAGACGACGAAGCACGTTACCC  
 ACCACTACATCCACCACCAGCTGTCCCAAGACCAAGGAGGAGATCGAGGCAGAAGCCACACAGAGAGT  
 CCGCTGCCTGTCTGGGGAACAGATTATTATTGCTACTCAAATGCAAAAGCCACCCAAAGGCTCCA  
 GAGCCCTGCCTGGGAGCAGTTTTGTGGCAGCAGAGGTGGTACCTTGCCAAAACGGAATGCAAAGGGCA  
 CCGAACCGGCTTGCCTGTGCGCCAGGGATGGAGGGATGTCCAGTGCAGCGGGGGCCCCCAGCTTCC  
 TGGGGAAGAAGGAGACCGGTACAGGATGTCTGGCAGTGGATGTTAGAGAGTGAGCGGCAGAGCAAGTCC  
 AAGCCCCATAGTGCCAAAGCATAAGAAAGAGCTACCCATTGGAGTCTGCCTGTGCGGCCCCAGGAGAAC  
 GAGTCAGCCGGCACCATCTGTTGGGGGCCAGGGACACTCCCCTCGGTGGCCCGGGCTCACCCATTTAC  
 CCAGGACCCTGCAATGCCTCCCCTTACCCACCAACACTTTGGCACAGCTAGAGGAAGCCTGCCGAGG  
 CTGGCAGAGGTGTGCAAGCCCCAGAAGCAGCGGTGCTGCGTGGCCAGTCAGCAGAGGGACAGGAACCACT  
 CGGCTGCTGGTCAGGCAGGAGCCTCACCTTCGCCAACCAAGCCTGGCTCCAGAAGATCACAAAGAGCC  
 AAAGAACTGGCAAGTGTCCACGCGCTCCAGGCCAGTGAGCTGGTTGTCACCTACTTTTTCTGTGGAGAA  
 GAAATTCATACAGGAGGATGCTGAAGGCTCAAAGCTTGACCCTGGGCCACTTCAAGGAGCAGCTCAGCA  
 AAAAGGGAAATTACAGGTATTATTTCAAGAAGGCGAGTGACGAATTTGCCTGCGGAGCAGTTTTTGGAGG  
 GATCTGGGACGACGAGACAGTGCTCCCATGTACGAAGGCAGGATCCTGGGCAAAGTGGAGAGGATCGAC  
 TGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_015732  
**Insert Size:** 2523 bp

<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_015732.4</a> , <a href="#">NP_056547.3</a>
<b>RefSeq Size:</b>	4279 bp
<b>RefSeq ORF:</b>	2523 bp
<b>Locus ID:</b>	12006
<b>UniProt ID:</b>	<a href="#">O88566</a>
<b>Cytogenetics:</b>	11 71.83 cM
<b>Gene Summary:</b>	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]