

Product datasheet for **RN212405**

Axin2 (NM_024355) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Axin2 (NM_024355) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Axin2
Synonyms:	axil; axin-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN212405 representing NM_024355
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGTAGCGCTGTGTTAGTGACTCTCCTTCCAGATCCAAGCAGCAGCTCCGCGAGGATGCTCCGCGGC
 CCCCGTTCCCGGAGAAGAAGGGGAGACCCACCGTGTACGCCTAGCGTGGGCAAGGTCCAGTCCACCAA
 ACCTATGCCTGTCTCCTCTAACGCTAGGCGGAATGAAGATGGGCTGGGGGAGCCCAGGGGCGGGCTCC
 CCAGATCCCCTCTGACCAGGTGGACCAAGTCTTTGCACTCCTTGTGGGGACCAAGATGGTGCATACC
 TCTTCCGACTTTCTGGAGAGGGAGAAATGTGTGGATACCCTGGACTTCTGGTTTGCTGCAATGGGTT
 CAGGCAGATGAAGGATACCAAACTTTGCGAGTGGCCAAAGCAATCTACAAGAGGTACATTGAG
 AACACAGTGTGTCTCAAACAGCTGAAACCCGCCACCAAGACCTACATAAGAGATGGCATCAAGAAGC
 AGCAGATCGGCTCGTCAATGTTTACCAGGCGCAGACGGAGATTCAGGCGGTGATGGAGGAAAATGCCTA
 TCAGGTGTTCTTGACTTCTGACATATACCTCGAATATGTGAGGAGTGGGGGAGAAAACACAGCTTACATG
 AGCAATGGGGGACTGGGGAGCCTAAAGGTCTTATGTGGCTACCTCCCCACCTGAATGAGGAAGAGGAGT
 GGACATGTGCCGACCTGAAGTGCAAACTTTCACCCACCGTGGTTGGCCTATCCAGCAAACTCTCCGGGC
 CACAGCGAGCGTGAGATCCACAGAAACGGCTGAAAACGGATTAGATCCTTCAAGAGAAGCGAACCGGTT
 AATCCTTATCACGTAGGTTCTGGCTATGTCTTGCACCAGCCACCAGCGCAACGACAGCGAGTTATCCA
 GCGACGCGCTGACCGACGATTCCATGTCCATGACAGACAGTAGCGTAGATGGAATCCCTCCTTACCGCAT
 GGGGAGTAAGAAACAACCTCAGAGAGAGATGCACCGCAGTGTGAAGGCCAATGGCCAAGTGTCTACCT
 CACTTCCGAGAACCACCGCTGCCAAGGAGATGACGCCGTGGAACCTGCTGCCTTCGCGCGAGAGC
 TCATCTCAGGCTGGAGAAGCTGAACTGGAGCTGGAGAGCCGCCACAGCCTGGAGAACGGCTGCAGCA
 GATCCGGGAGGATGAAGAAAAGGAGGGTCTGAGCAGGCCTGAGCTCACGGGATGGAGCACCGGTCCAA
 CACCCCTGGCCCTTACCCTCTGGCAGCTATGAAGAGGACCCACAAACCATCTTGACGACCACTGT
 CCAGGGTCTCAAGACCCCGGCTGCCAGTCCCCTGGTGTGGGCCGTACAGCCACGCTCCCGCTCCCC
 CGACCACCACCACCACCATCAGCAGTGTACGCCCTTCTTCCAAGTGGGGGCAAGCTGCCCCCGAG
 GCTGCTTGCCCGCTCCTTGAGGCAAGAGCTTCTGACCAAACAGACGACGAAGCACGTCCACCACCACT
 ACATCCACCACCACCGCTCCCTAAGACCAAGGAGGAGATCGAGGCAGAAGCCACACAGAGAGTACGCTG
 CCTCTGCCCTGGAGGCACAGATTATTACTGCTACTCCAAGTCAAGAGCCACTCGAAGCCTCCAGAGCCC
 CTCCTGGGGAGCAGTTTGTGGCAGCAGAGGTGGCACCTTGCCAAAACGGAATACGAAAGGCACAGAAC
 CGGGTCTGGCACTGCCGGCCAGGGAAGGAGGGATGTCCAGTGCAGCAGGGGCCCTCAGCTTCTGGGGA
 AGAAGGAGACCGGTCACAGGATGTCTGGCAGTGGATGTTGGAGAGTGAGCGTCAGAGCAAGTCCAAGCCC
 CATAGTACCCAAAGCATAAGAAAGAGCTACCCGTTGGAGTCTGCCCGCGCGCCCCAGGCGAACGAGTCA
 GCCGGCACCATCTGCTGGGGGCCAGTGGACACCCCGCTCAGCGGCCCGGGCTCACCCATTTACCAGGA
 CCCTGCCATGCCTCCCTAACCCACCCAAACACTTGGCGCAGCTAGAGGAAGCCTGCCGCAGGCTGGCC
 GAGGTGTCAAAGCCCCAGAAACAGAGGTGCTGCGTGGCCAGTCAAGAGGGACAGGAACCCACAGCCA
 CAGGTCAAGGACCCACATCCTTCTCAACCCGAGCCTGGCTTCAGAAGATCAAAAGAGCCAAAGAG
 ACTGGCTAGTGTCCAGCACTCCAAGCCAGCAGCTGATTGTTACCTACTTTTCTGTGGAGAAGAAAT
 CCATACAGGAGGATGCTGAAGGCCAGAGCTTGACTCTGGCCACTTCAAGGAGCAGCTCAGCAAAAAGG
 GAAATTACAGGTATTACTTCAAGAAGGCGAGTGACGAATTTGCCTGTGGAGCAGCTTTGAGGAGATCTG
 GGATGATGAGACAGTGTCCCATGTACGAAGGCAGGATCCTGGGCAAAGTGGAGAGGATCGACT**GA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_024355
Insert Size: 2517 bp

OTI Disclaimer:	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).
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:	<ol style="list-style-type: none">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_024355.1 , NP_077331.1
RefSeq Size:	3216 bp
RefSeq ORF:	2517 bp
Locus ID:	29134
UniProt ID:	O70240
Cytogenetics:	10q32.1
Gene Summary:	inhibits axis formation; acts as a negative regulator of the Wnt signaling pathway by inducing GSK-3beta-dependent phosphorylation of beta-catenin [RGD, Feb 2006]