

## Product datasheet for **SC214484**

### Axin 2 (AXIN2) (NM\_004655) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Axin 2 (AXIN2) (NM_004655) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	AXIN2
Synonyms:	AXIL; ODCRCS
ACCN:	NM_004655
Insert Size:	1443 bp



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**Insert Sequence:** >SC214484 3'UTR clone of NM\_004655  
The sequence shown below is from the reference sequence of NM\_004655. The complete sequence of this clone may contain minor differences, such as SNPs.  
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
ATTCTGGGCAAAGTGGAGCGGATCGATTGAGCCCTGGGGTCTGGCTTTGGTGAAGTGTGGAGCCCGAA
GCTCTTGTGAAGTGTCTTGGCTGTGAGCAACTGCGACAAAACATTTTGAAGGAAAATTAACCAATGAA
GAAGACAAAGTCTAAGGAAGAATCGGCCAGTGGCCCTTCGGGAGGGCGGGGGGAGGTTGATTTTCATGA
TTCATGAGCTGGTACTGACTGAGATAAGAAAAGCCTGAAGTATTTATTAACCAATGACCCTCTTGG
CTATTGAAGTGTCTGTATTTGAGAGACTGCCATACATAATATATGACTTCTAGGGATCTGAAAT
CCATAAATAAGAGAACTGTGTATAGCTTACCTGAACAGGAATCCTTACTGATATTTATAGAACAGTT
GATTTCCCCATCCCAGTTTATGGATATGCTGCTTTAACTTGAAGGGGGAGACAGGAAGTTTTAAT
TGTTCTGACTAACTTAGGAGTTGAGCTAGGAGTGCCTTCTACTAACAGAGGAATTATG
CTTTGCACTACGTCCTCCAAGTGAAGACAGACTGTTTTAGACAGACTTTTTAAATGGTGCCCTACCA
TTGACACATGCAGAAATTGGTGCCTTTGTTTTTTTTTCTATGCTGCTCTGTTTTGTCTTAAAGGT
CTTGAGGGTTGACCATGTTGCGTCATCAACATTTGGGGGTTGTTGGATGGGATGATCTGTTGC
AGAGGGAGAGGCAGGGAACCCCTGCTCCTTCGGGCCAGGTTGATCCTGTGACTGAGGCTCCCTCAT
GTAGCCTCCAGGCCAGGCCCTGAGGCCTGCTAGAATCACTGCCGCTGTGCTTTCGTGGAAATGAC
AGTTCTTGTTTTTTTGTTTTCTGTTTTGTTTTACATTAGTCATTGGACCACAGCCATTGAGGAATA
CCCCCTGCCCAAGAAATGAACAGTTGTAGGAGACCCAGCAGCACCTTCCACACACCTTCA
TTTTGATGTTTCGGGTTTTGTTAAGTTAATCTGTACATTCTGTTTGCATTGTTACTTGTACTATAC
ATCTGTATATAGTGTACGGCAAAAGAGTATTAATCCACTATCTCTAGTGCTTGAATTAATCAGTACA
GTACCTGTACCTGCACGGTCACCCGCTCCGTGTGTCGCCCTATATTGAGGGCTCAAGCTTCCCTGTT
TTTTGAAAGGGTTTATGTATAAATATATTTTATGCCTTTTTATTACAAGTCTTGTACTCAATGACTTT
TGTCATGACATTTTGTCTACTTATACTGTAAATTATGCATTATAAAGAGTTCATTTAAGGAAAATTAC
TTGGTACAATAATTATTGTAATTAAGAGATGTAGCCTTTATTAATTTTATATTTTTCAAAA
ACGCGTAAAGCGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCCTTCTATGAAAGG
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**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_004655.4](#)

**Summary:** The Axin-related protein, Axin2, presumably plays an important role in the regulation of the stability of beta-catenin in the Wnt signaling pathway, like its rodent homologs, mouse conductin/rat axil. In mouse, conductin organizes a multiprotein complex of APC (adenomatous polyposis of the colon), beta-catenin, glycogen synthase kinase 3-beta, and conductin, which leads to the degradation of beta-catenin. Apparently, the deregulation of beta-catenin is an important event in the genesis of a number of malignancies. The AXIN2 gene has been mapped to 17q23-q24, a region that shows frequent loss of heterozygosity in breast cancer, neuroblastoma, and other tumors. Mutations in this gene have been associated with colorectal cancer with defective mismatch repair. [provided by RefSeq, Jul 2008]

**Locus ID:** 8313

**MW:** 54