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# Product datasheet for SC126995

## Apc1 (ANAPC1) (NM_022662) Human Untagged Clone

### Product data:

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|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | Apc1 (ANAPC1) (NM_022662) Human Untagged Clone |
| **Tag:** | Tag Free |
| **Symbol:** | Apc1 |
| **Synonyms:** | APC1; MCPR; TSG24 |
| **Mammalian Cell Selection:** | None |
| **Vector:** | pCMV6-XL4 |
| **E. coli Selection:** | Ampicillin (100 ug/mL) |
| **Fully Sequenced ORF:** | >NCBI ORF sequence for NM_022662, the custom clone sequence may differ by one or more nucleotides |

ATGTCGAACTTCTATGAAGAAAGGACAACGATGATTGCAGCAAGGGATTTGCAGGAATTTGTTCCTTTTG
GTCGAGACCACTGCAAGCACCACCCTAATGCTTTGAACCTTCAACTTCGCCAGCTGCAGCCAGCTTCTGA
ATTATGGTCTTCTGATGGTGCTGCTGGCTTGGTGGGATCCCTTCAGGAGGTTACAATCCACGAGAAACAG
AAGGAAAGCTGGCAGTTAAGGAAAGGAGTAAGTGAAATTGGAGAAGATGTGGACTATGATGAGGAACTCT
ATGTTGCTGGAAATATGGTGATATGGAGCAAAGGAAGTAAAAGCCAGGCATTGGCAGTTTATAAAGCATT
TACAGTTGACAGTCCTGTTCAGCAGGCATTGTGGTGTGACTTCATTATATCACAGGATAAGTCTGAAAAG
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TAGAAGGAAAGGATTACATAGCTTCATTACCATTTCAGGTTGCAAATGTTTGGCCCACTAAATATGGATT
GCTGTTTGAACGAAGCGCTTCTTCACATGAAGTACCTCCAGGTTCACCCAGAGAACCTTTACCTACTATG
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TGCCAGCTCCCTCTCTGACGATGTCCAACACAATGCCTCGGCCCAGTACTCCACTAGATGGCGTTAGTAC



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TCCAAAGCCTCTTAGTAAACTCCTTGGATCATTGGACGAGGTTGTTCTGTTGTCCCCAGTTCCAGAACTG
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TGTGCACGCCTACCTCAGCGGGCAGCCCTTGGAGGAATCACAGCTGAGCATGCTGGCCTGCTTCCTCGTC
TACCACTCTGTGCCAGCTCCACAGCACCTGCCACCTATAGGACTAGAAGGGAGCACAAGCTTTGCTGAAC
TGCTCTTCAAATTTAAGCAGCTAAAAATGCCAGTGCGAGCTTTGCTGAGATTGGCTCCTTTGCTTCTTGG
AAATCCACAGCCAATGGTGATGTGA

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM_022662 unedited
AACAACCTCATGTTAGGGCGGCCGCGCATTCGGCACGAGGGGACGCGTTCTATTGAACGT
CTCGCACGCCTTCCTGCCATTAGCACTCGAGCCCGCTGCTGTTGCCCGTTCTTCCTCCGG
AATAGGGGAGGGAGAGGGAATGAGAAGCTGCTGCGGCCCAAGAGTCACTGTGAAGGACCC
CGCCGCTGCCCTCGGGCCTCCTCTGCCCCTGCGCCTCCGGGGAGCAGCCGGGGCTCGCCG
CGCCTGACGCGTCCCGAGTTATACAGAAATAATGTTGATATTTGGAACCCATGTCGAACT
TCTATGAAGAAAGGACAACGATGATTGCAGCAAGGGATTTGCAGGAATTTGTTCCTTTTG
GTCGAGACCACTGCAAGCACCACCCTAATGCTTTGAACCTTCAACTTCGCCAGCTGCAGC
CAGCTTCTGAATTATGGTCTTCTGATGGTGCTGCTGGCTTGGTGGGATCCCTTCAGGAGG
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GAGAAGATGTGGACTATGATGAGGAACTCTATGTTGCTGGAAATATGGTGATATGGAGCA
AAGGAAGTAAAAGCCAGGCATTGGCAGTTTATAAAGCATTTACAGTTGACAGTCCTGTTC
AGCAGGCATTGTGGTGTGACTTCATTATATCACAGGATAAAGTCTGAAAACGCCTACAGT
TGCAATGAAGTAGAAAATGCATATGTATATTGCAAAGCTCATGTTTTAACATGCCTAGCC
TANAAGGAAAGGATTACATTAGCTTCATAACCATTTCAGGTTGCCAAATGTTTGCGCCAC
TAAATATGGATTGCTGGTTGAACCGAGCGCTTTTCACATGNAGTACCTCCAGTTCACCCA
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**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM_022662 unedited
NNTTTTAGCTTGCACCGCGGCCCGCAATCTATATCGAGTTTTTTTTTTTTTTTTTTTTT
GGAAACAAACCAAAAACTTTATTTACAAAAGTAAATTTTAACTTGCTTTTATATGTCATA
TACCGTTAATGATGACAGCAACAGATTTAAAATACATTGAGGTTTGTGCAGCTCATTTCC
CCCTAGTTATACCATAAAACTTTATAAACATTGCTTTACCTTTGATGTTTGGTCACCTTT
GTTGTGCATAAGTCACGTTTCATGGTAGGTTCACCGCCAGACACAGTCACATCACCATTG
GCTGTGGATTTCCAAGAAGCAAAGGAGCCAATCTCAGCACAGCTCGCACTGGCATTTTTA
GCTGCTTAAATTTGAAGAGCAGTTCACCAAAGCTTGTGCTCCCTTCTAGTTCTATAGGTG
CGACGCGCTGCGGCCTTGGCACATATTGGTACACCAGCAACCCTGCCCCCCTGCTCACCT
GTGATCCCTCCAAGGCTGCCCCCTGTAGCAGTCCCCCACACCCCTATTACCCCCTACTTG
TTTCCACTGGTCCCGTGCATTATTACCGGCGCCCCTTATATCTTCCCGTCATTCCTACCT
TAAAAGATTCCCCGCTCTACGTGGTTTTCCAACTTTCTTCTATGGTCTCCTATCCCCAAC
ACTTACCACCCTTTTTCCCCGTTCCATTCCCCCCCCCCTTAATTTTCTCTTTCTCAACAC
TCATAAACCCGATTTATCCTCCGTCAGCATTCACCACTCTGTGGTTTTTCGGCCCCCTTC
ACCCTCCAATACTATCCAAACACCCTCCCGCTCTCCCCTTTCTCTTTCCCGCCCCCCATC
TACTCCTCTCACCCTTTACAACTCTTACAAATCTCCCCATCCCACACACATTCCCCCTAT
CCCCCGACTCACACTCCCGNCCTTCCTC

**Restriction Sites:** NotI-NotI

**ACCN:** NM_022662

**Insert Size:** 5600 bp

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|---|---|
| **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:** | 1. Centrifuge at 5,000xg for 5min.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_022662.2, NP_073153.1 |
| **RefSeq Size:** | 7753 bp |
| **RefSeq ORF:** | 5835 bp |
| **Locus ID:** | 64682 |
| **UniProt ID:** | Q9H1A4 |
| **Cytogenetics:** | 2q13 |
| **Domains:** | PC_rep |
| **Protein Families:** | Druggable Genome, Stem cell - Pluripotency |
| **Protein Pathways:** | Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation, Ubiquitin mediated proteolysis |
| **Gene Summary:** | This gene encodes a subunit of the anaphase-promoting complex. This complex is an E3 ubiquitin ligase that regulates progression through the metaphase to anaphase portion of the cell cycle by ubiquitinating proteins which targets them for degradation. [provided by RefSeq, Dec 2011] |