

Product datasheet for **SC126079**

Apc10 (ANAPC10) (NM_014885) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Apc10 (ANAPC10) (NM_014885) Human Untagged Clone
Tag: Tag Free
Symbol: Apc10
Synonyms: APC10; DOC1
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_014885 edited
GTTCAACGCCGTTGGCGAAGCCAGCTGCTGGAGGTGCCGAGAATCTGAGTTTCGGCAAGC
AGCCAGAATATTTTAAAAATGACTACACCAACAAGACACCTCCTGGTGCTGACCCCAAG
CAGTTGGAAAGGACTGGAACAGTACGGGAAATTGGGTCACAAGCTGTTTGGTCACTCTCA
TCTTGCAAACCAGGATTTGGAGTGGATCAGTTACGAGATGACAATCTAGAAACTTATTGG
CAATCAGATGGTCCCAGCCTCATTTAGTGAACATCCAATTCAGAAGAAAAACAACAGTG
AAGACATTATGTATTTATGCAGACTACAAATCTGATGAAAGCTATACTCCAAGCAAGATC
TCAGTCAGAGTAGGAAATAATTTTCACAACCTCAAGAAATTCGGCAACTTGAGTTGGTG
GAACCAAGTGGCTGGATTCATGTTCCCTTAAGTACAATCATAAGAAGCCAACCTCGTACA
TTCATGATACAGATTGCTGTTCTAGCCAATCACCAGAATGGAAGAGACACCCATATGAGA
CAAATTTAAATATACACACCAGTAGAAGAGAGCTCCATTGGTAAATTTCTAGATGTACA
ACTATAGATTTTCATGATGTATCGTTCAATAAGGTGACTTTAAAAATGAGACGAAAAATCATT
AAACGTATCTTTGTTTTATCCTGTATTTAAATAATATATCATGTACCTTTATTGAACAAG
GCATCCGTTATATCTAATTTTGTATATGTTTAAAAATATTTTATTGTAACCTTTGACAAAT
AAATTTGGGGTCATATTATCTTTATTTCTTTAACATGTAATAAAGCTCACATATTTTAC
ATTACCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_014885 unedited GGGGCAGGATTTGTATACGACTCCACTATAGGCGGCGCGGAATTCGCCATTACGGCCGG GGGTTCAACGCCGTTGGCGAAGCCAGCTGCTGGAGGTGCCGAGAATCTGAGTTTCGGCAA GCAGCCAGAATATTTAAAAATGACTACACCAAACAAGACACCTCCTGGTGCTGACCCCA AGCAGTTGGAAAGGACTGGAACAGTACGGGAAATGGGTCAACAAGCTGTTGGTCACTCT CATCTTGCAAACCAGGATTTGGAGTGGATCAGTTACGAGATGACAATCTAGAACTTATT GGCAATCAGATGGTTCCAGCCTCATTTAGTGAACATCCAATTCAGAAGAAAAACAACAG TGAAGACATTATGTATTTATGCAGACTACAAATCTGATGAAAGCTATACTCCAAGCAAGA TCTCAGTCAGAGTAGGAAATAATTTTCAACCTTCAAGAAATTCGGCAACTTGAGTTGG TGAACCAAGTGGCTGGATTCATGTTCCCTTAACTGACAATCATAAGAAGCCAACCTCGTA CATTTCATGATACAGATTGCTGGTCTAGCCAATCACCAGAATGGAAGAGACACCCATATGA GACAAATTAATAATACACACCAGTAGAAGAGAGCTCCATTGGGAAATTTCTAGATGTA CAACTATAGATTTTCATGATGTATCGTTCAATAAGGTGACTTTAAATGAGACGAANATCA TTAAACGTATCTTTGGTTTATCCTGTGTTAAATAATATATCATGTGACTTTATTGAACA GGGCGTCCGTTATATCTAATTTTGTATATGTGTAATAATTTTATTNGTGACTTTGAGC AATAAATTTGGGGTCATATTATCTTTATTTTCTTAACTGGAGATAAGCTCACATATTT TACATTACCCNNNAAAAAAAAAAAAAAAAAAAAAAAAAAACTGTGGGCGCCTCGGG
Restriction Sites:	Please inquire
ACCN:	NM_014885
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:	<u>NM_014885.1</u> , <u>NP_055700.1</u>
RefSeq Size:	941 bp
RefSeq ORF:	558 bp
Locus ID:	10393
UniProt ID:	<u>Q9UM13</u>
Cytogenetics:	4q31.21
Protein Families:	Druggable Genome
Protein Pathways:	Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation, Ubiquitin mediated proteolysis

Gene Summary:

ANAPC10 is a core subunit of the anaphase-promoting complex (APC), or cyclosome, a ubiquitin protein ligase that is essential for progression through the cell cycle. APC initiates sister chromatid separation by ubiquitinating the anaphase inhibitor securin (PTTG1; MIM 604147) and triggers exit from mitosis by ubiquitinating cyclin B (CCNB1; MIM 123836), the activating subunit of cyclin-dependent kinase-1 (CDK1; MIM 116940) (summary by Wendt et al., 2001 [PubMed 11524682]).[supplied by OMIM, Feb 2011]

Transcript Variant: This variant (2) uses an alternate splice site in the 5' UTR, compared to variant 1. Variants 1, 2, 3 and 4 encode the same isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.