

Product datasheet for **SC117672**

Apc6 (CDC16) (NM_003903) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apc6 (CDC16) (NM_003903) Human Untagged Clone
Tag:	Tag Free
Symbol:	Apc6
Synonyms:	ANAPC6; APC6; CDC16Hs; CUT9
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC117672 sequence for NM_003903 edited (data generated by NextGen Sequencing)

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ATGAACCTAGAGCGGCTGCGGAAGCGCGTCCGGCAGTACCTCGACCAGCAACAGTATCAA
AGTGCTCTATTTTGGGCAGATAAAGTAGCTTCACTCTCTCGTGAAGAACCCAGGACATC
TATTGGTTGGCTCAGTGTCTTTACCTGACAGCACAATATCACAGAGCCGCCCATGCATT
CGGTACGAAAACTGGACAAATTGTATGAAGCATGTCGTTACCTTGACAGTGAAGAGCCCATCAAT
TATGCTGCAAAAGAGCACCAGCAGGCCCTTGATGTTCTTGACATGGAAGAGCCCATCAAT
AAAAGATTATTTGAAAAATACTTGAAGGATGAAAGTGGCTTCAAAGATCCCTCCAGCGAC
TGGGAAATGTCACAGTCTTCAATAAAGAGTTCTATCTGTCTTCTACGCGGAAAAATCTAT
GATGCTCTAGATAACCGAACCTGGCTACCTACAGCTACAAAGAAGCTTTGAAGCTTGAT
GTCTACTGTTTTGAAGCGTTCGATCTTTTAAACATCACATCACATGCTGACAGCACAAGAA
GAAAAAGAACTTCTTGAATCACTACCCCTTAGCAAGCTGTGAATGAAGAACAGGAATTG
CTGCGTTTTCTATTTGAGAACAAATTGAAAAATATAATAAGCCTAGTGAACGGTCATC
CCTGAATCTGTAGATGGCTTGAAGAGAATCTGGATGTGGTAGTGTCTTTAGCTGAGAGA
CATTATTATAACTGTGATTTTAAAATGTGCTACAAGCTTACTTCTGTAGTAATGGAGAAA
GATCCTTTCCATGCAAGTTGTTTACCTGTACATATAGGGACGCTTGTAGAGCTGAATAAA
GCCAATGAACTTTTCTATCTTTCTATAAACTGGTGGATTTATATCCTAGTAATCCTGTG
TCTTGGTTTGCAGTGGGATGTTACTATCTCATGGTCCGTCATAAAAAATGAACATGCCAGA
AGATATCTCAGCAAAGCCACAACACTTGAGAAAACCTATGGACCTGCATGGATAGCCTAT
GGACATTCATTTGCGGTGGAGAGTGAGCACGACCAAGCGATGGCTGCTTACTTCACAGCA
GCACAGCTGATGAAAGGGTGTCAATTTGCCTATGCTGTATATTGGATTAGAATATGGTTTG
ACCAATAACTCAAACCTAGCTGAAAGGTTCTTCAGCCAAGCTCTGAGCATTGCACCGGAA
GACCCTTTTGTTATGCATGAGGTCGGCGTGGTTGCATTTCAGAATGGAGAATGGAAAAACA
GCCGAAAAATGGTTTCTTGATGCTTTGGAAAAAATTAAGCAATTGGGAACGAGGTAACA
GTTGACAAATGGGAACCTTTGTTGAACAACCTGGGGCATGTCTGCAGAAAACTTAAAAAG
TATGCTGAGGCCTTGATTACCACCGTCAGGCACTGGTGTGATTCTCAGAACGCATCC
ACCTACTCTGCTATTGGATATATCCACAGTCTGATGGGCAACTTTGAAAATGCTGTGGAC
TACTTCCACACAGCCCTTGGTCTTAGGCGAGATGATACATTTTCTGTTACAATGCTTGGT
CATTGCATCGAAATGTACATTGGTGATTCTGAAGCTTATATTGGAGCAGACATTAAGAC
AAATTAATGTTATGACTTTGATGTGCATACAATGAAGACACTAAAAACATTATTTCA
CCTCCGTGGGATTTGAGGAATTTGAAGTAGAAAAACAGACTGCAGAAGAAACGGGGCTT
ACGCCATTGGAACCTCAAGGAAAACTCCAGATCCAGACCTTCTTGGAAAGAAACCTTT
GAAATTGAAATGAATGAAAGTGACATGATGTTAGAGACATCTATGTCAGACCACAGCAGC
TGA
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Clone variation with respect to NM_003903.3

330 c=>t;351 t=>c

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003903 unedited
 GATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGACCTGCGGCC
 TTGAGTCCGCGGCCCTTCGAGTCTGGGGCGGGCGGGCGGCTGCAGGCACGGGCACGGG
 CACGGGGCGGGGTGCTTAGGGTGCAGGAGGCGCGCCTAGCGGGGAGTGTGGCGTGAG
 GCCGGGCCCGCGCCCATGAACCTAGAGCGGCTGCGGAAGCGCGTCCGGCAGTACCTCG
 ACCAGCAACAGTATCAAAGTGTCTATTTTGGGCAGATAAAGTAGCTTCACTCTCTCGTG
 AAGAACCAGGACATCTATTGGTTGGCTCAGTGTCTTTACCTGACAGCACAATATCACA
 GAGCCGCCCATGCACTTCGGTACGAAAAGTGGACAAATTGTATGAAGCATGTCGTTACC
 TTGCAGCTAGGTGCCATTATGCTGCAAAAAGAGCACCAGCAGGCCCTTGATGTTCTTGACA
 TGGAAAGAGCCCATCAATAAAAGATTATTTGAAAAATACTTGAAGGATGAAAGTGGCTTCA
 AAGATCCCTCCAGCGACTGGGAAATGTCACAGTCTTCAATAAAGAGTTCTATCTGTCTTC
 TACGCGGGAAAACTATGATGCTCTAGATAACCGAACCTGGCTACCTACAGCTACAAAG
 AAGCTNTGAAGCTTGATGTCTACTGTTTTGAAAGCGTCGATCTTTAACATCACATCACA
 TGCTGACAGCACAAGAAGAAAAGAACTTCTTTGATCACTACCCTTNNAGCAGCTGTGTA
 TGAAGAAACAGAATTGCTGCCGNTCTATTTGAGAACNNAATGAAAAATATATAAGCCTA
 GTGAAACGGTCATCTGATCTGTANATGGCTGCAGAGAATCTGGTGC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_003903 unedited
 TGAACCGCGGCCCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGAGGGGTACCTTTTTTTTTTCCACTTTGTATA
 ACTATTTTGGGGGTCAAAAAATCAAAACCCATTTGTTGCAAAGGGGGCCAACCAATCT
 TTTAAGGGGGTCTTTTTTCTACCTGGGACAGGGGGACCCAGACCCCTGGCTGGGGTC
 ACCTGCTGGGGGTGACATAAATGTCTTTAACATTATGGGACTTTTATTTATTTCAATTT
 CAAAGGGTTTTTCCAAGGAAGGGCTGGAATTTGGAGTTTTCTTGAGGGTTCAAAGGGG
 TAAACCCGTTTTTTTTGAGGGCTGTTTTTTTACTTCAAATTCCTGAAATCCCACGGGG
 GGGAAAAATGGTTTTTAGGGGCTTCATTGGGTGCCCTCAAAGGCATAACATTTAATT
 TGGCTTTAAAGGCGCTCCAAAATAAATTCAAACACCAATGTACATTTGATGCAAT
 GACCAAACATTGTAACCAAAAATGTATTATTTCTCTAAAACACAGGGCCTGTGGGGGA
 AGAACTCCACACCCTTTTTAAAAGTGGCCCTCAAACCGGGGATTTATCCCAAACCACAA
 AAGGGGGGTCCGTTTTGAGGAATCAACCCAGGCCTGGCGGTGGGAATTCGAAGCCT
 CAAATTTATCTTATAAATTTTTTTGCAAAAAGTGGCCACAGTGTCAACAGAGTTCCCT
 TTTTGGAAACGTGAACCGCTCCCCATTGGTTTTAATTTTTTCAAACATAAAGAAA
 CCTTTTTTGGCTGTGTTCCATTTCCACTTTCGAAAGCCCCCCCCCCCCCTCTGCCTAA
 AAAAGGGGTT

Restriction Sites:

NotI-NotI

ACCN:

NM_003903

Insert Size:

2500 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_003903.2 , NP_003894.2
RefSeq Size:	2196 bp
RefSeq ORF:	1860 bp
Locus ID:	8881
UniProt ID:	Q13042
Cytogenetics:	13q34
Domains:	TPR
Protein Families:	Druggable Genome
Protein Pathways:	Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation, Ubiquitin mediated proteolysis
Gene Summary:	<p>The protein encoded by this gene functions as a protein ubiquitin ligase and is a component of the multiprotein APC complex. The APC complex is a cyclin degradation system that governs exit from mitosis by targeting cell cycle proteins for degradation by the 26S proteasome. Each component protein of the APC complex is highly conserved among eukaryotic organisms. This protein, and other APC complex proteins, contain a tetratricopeptide repeat (TPR) domain; a protein domain that is often involved in protein-protein interactions and the assembly of multiprotein complexes. Multiple alternatively spliced transcript variants, encoding distinct proteins, have been identified. [provided by RefSeq, Jan 2016]</p> <p>Transcript Variant: This variant (1) lacks an exon segment in the 3' UTR, compared to variant 2. Variants 1 and 2 encode the same isoform (1).</p>