

## Product datasheet for **SC318066**

### **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:	CDC16
Synonyms:	ANAPC6; APC6; CDC16Hs; CUT9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



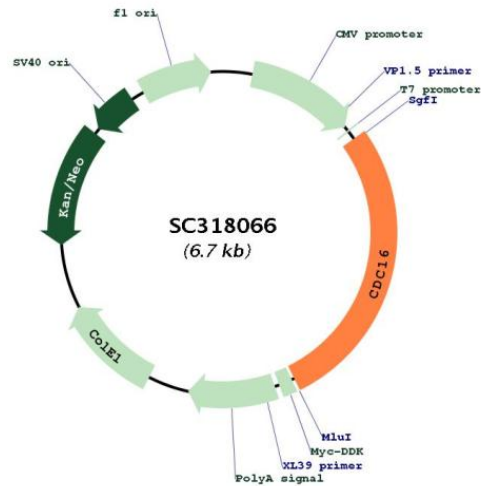
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Fully Sequenced ORF: >SC318066 representing NM\_003903.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAACCTAGAGCGGCTGCGGAAGCGCGTCCGGCAGTACCTCGACCAGCAACAGTATCAAAGTGCTCTA
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GAAGAAACGGGGCTTACGCCATTGAAAACCTCAAGGAAAACCTCCAGATTCAGACCTTCTTGGAAAGAA
ACCTTTGAAATGAAATGAATGAAAGTGACATGATGTTAGAGACATCTATGTCAGACCACAGCAGTGA
```

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT  
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

**Plasmid Map:**


**ACCN:** NM\_003903

**Insert Size:** 1863 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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.
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\\_003903.3](#)

**RefSeq Size:** 2235 bp

**RefSeq ORF:** 1863 bp

**Locus ID:** 8881

**UniProt ID:** [Q13042](#)

<b>Cytogenetics:</b>	13q34
<b>Domains:</b>	TPR
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation, Ubiquitin mediated proteolysis
<b>MW:</b>	71.7 kDa
<b>Gene Summary:</b>	<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>