

## Product datasheet for **SC300411**

### Apc11 (ANAPC11) (NM\_001002244) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Apc11 (ANAPC11) (NM_001002244) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANAPC11
Synonyms:	APC11; Apc11p; HSPC214
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC300411 representing NM_001002244. Blue=Insert sequence Red=Cloning site Green=Tag(s)

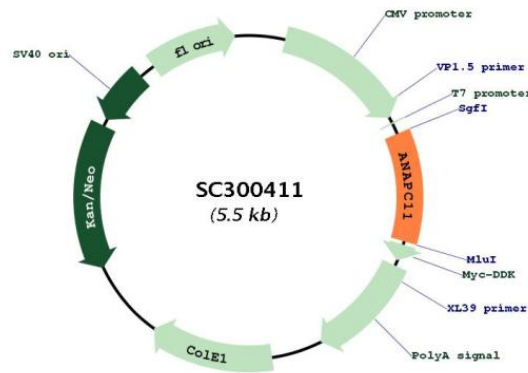
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GCTCGTTTAGTGAACCGTCAGAATTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGGTGAAGATTAAGTGTGGAACGGCGTGGCCACTTGGCTCTGGGTGGCCAACGATGAGAAGTGT
GGCATCTGCAGGATGGCATTAAACGGATGCTGCCCTGACTGTCTCTCCATGGAGAAAGCATTCTAGG
TGTTTGGGCTGGTGCCTGAGCCTGTGCCTGTCTGGGAGGCAGGGCCCATCCACAGGTGCCCATCAAC
ACAGCTTCCCAACGCCTGGGCAGCACACCGGATCCCTGATGTCTAGGGAAGAGTCTTCTAGGTCCCA
GACCCACCCCTCTGCCCTTATCAAGAGACCAGTTCCTACTCAGATGCACGTCTCCTTGGTGCCTT
GACCATCATGTGACCTTTTGGCATCACAGATCAAGTGTCTGCAGATGGGCCAGGGCCTGTAGGCAA
GGTGGCCGGCGAGACTGCCCGCTGGTGTGGGGCCAGTGTCTCCACTGCTTCCACATGCATTGCATCCT
CAAGTGGCTGCACGCACAGCAGGTGCAGCAGCACTGCCCATGTGCCGCCAGGAATGGAAGTTCAAGGA
GTGAGGCCCGACCTGGCTCTCGCTGGAGGGGCATCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-MluI



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Plasmid Map:



ACCN: NM\_001002244

Insert Size: 591 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:	<a href="#">NM_001002244.2</a>
RefSeq Size:	1186 bp
RefSeq ORF:	591 bp
Locus ID:	51529
UniProt ID:	<a href="#">Q9NYG5</a>
Cytogenetics:	17q25.3
Protein Families:	Druggable Genome
Protein Pathways:	Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation, Ubiquitin mediated proteolysis
MW:	20.6 kDa
Gene Summary:	<p>Together with the cullin protein ANAPC2, constitutes the catalytic component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated E3 ubiquitin ligase that controls progression through mitosis and the G1 phase of the cell cycle. The APC/C complex acts by mediating ubiquitination and subsequent degradation of target proteins: it mainly mediates the formation of 'Lys-11'-linked polyubiquitin chains and, to a lower extent, the formation of 'Lys-48'- and 'Lys-63'-linked polyubiquitin chains. May recruit the E2 ubiquitin-conjugating enzymes to the complex.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>