

Product datasheet for **SC333420**

APC16 (ANAPC16) (NM_001242548) Human Untagged Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | APC16 (ANAPC16) (NM_001242548) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | ANAPC16 |
| Synonyms: | APC16; bA570G20.3; C10orf104; CENP-27; MSAG |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >SC333420 representing NM_001242548. Blue=Insert sequence Red=Cloning site Green=Tag(s) |

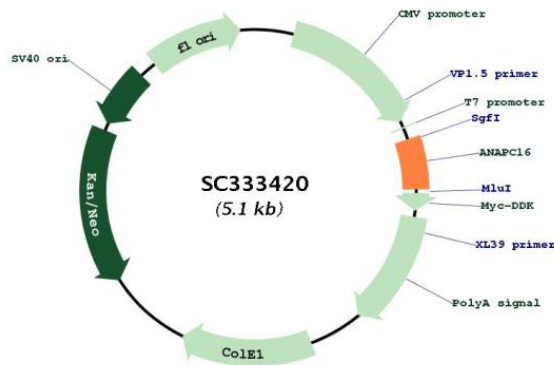
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTGCTTCATCATCATCCTCCTCAGCTGGTGGGGTCAGTGGAAATTCTGTCACTGGATCTGGTTTC
AGTGTCTCAGACCTTGCCCCACCACGGAAAGCCCTTTTCACCTACCCAAAGGAGCTGGAGAGATGTTA
GAAGATCAGCAAGTTGCTCGGATGGAAAACTAGCTGGTTTGGTAGAAGAGCTGGAGGCTGACGAGTGG
CGGTTTAAGCCCATCGAGCAGCTGCTGGGATTCACCCCTCTTCAGGTTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001242548

Insert Size: 258 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:

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_001242548.1](#)

RefSeq Size: 3111 bp

RefSeq ORF: 258 bp

Locus ID: 119504

Cytogenetics: 10q22.1

MW: 8.8 kDa

Gene Summary: 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. [UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (4) has multiple differences in the 5' UTR and lacks an in-frame exon in the coding region, compared to variant 1, which results in a shorter protein (isoform 2), compared to 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.