

Product datasheet for **SC333440**

Apc11 (ANAPC11) (NM_001289419) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apc11 (ANAPC11) (NM_001289419) 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:	>SC333440 representing NM_001289419. Blue=Insert sequence Red=Cloning site Green=Tag(s)

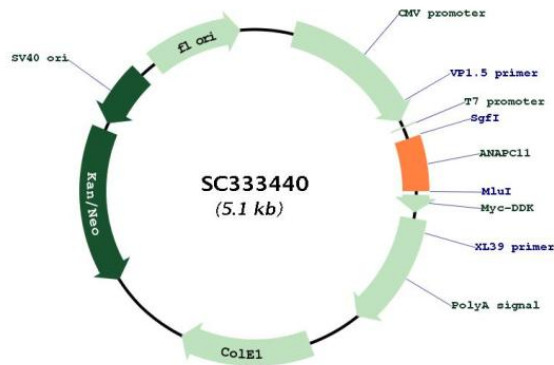
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGAACTGTGGCATCTGCAGGATGGCATTAAACGGATGCTGCCCTGACTGTGAGTGTCCCTCCATG
CTGTCTGAGCGGCCCGACTGCAAGGTGCCCGGCAGCACTGCCCGTGGTGTGGGGCCAGTGCTCCCA
CTGCTTCCACATGCATTGCATCCTCAAGTGGCTGCACGCACAGCAGGTGCAGCAGCACTGCCCATGTG
CCGCCAGGAATGGAAGTCAAGGAGTGAGGCCGACCTGGCTCTCGCTGGAGGGGCATCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
```

Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001289419

Insert Size: 270 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_001289419.1](#)

RefSeq Size: 964 bp

RefSeq ORF: 270 bp

Locus ID: 51529

Cytogenetics: 17q25.3

Protein Families: Druggable Genome

Protein Pathways: Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation, Ubiquitin mediated proteolysis

MW: 9.1 kDa

Gene Summary: 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]

Transcript Variant: This variant (13) uses an alternate splice site and contains an alternate exon in the 5' UTR, uses an alternate splice site in the 5' coding region, and initiates translation at an alternate downstream start codon, compared to variant 1. The encoded isoform (3) has a distinct N-terminus and is shorter than isoform 1. Variants 12 and 13 encode isoform 3.