

Product datasheet for SC300416

Apc11 (ANAPC11) (NM_001002249) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apc11 (ANAPC11) (NM_001002249) Human Untagged Clone
Tag:	Tag Free
Symbol:	Apc11
Synonyms:	APC11; Apc11p; HSPC214
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC300416 representing NM_001002249. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGAAGGTGAAGATTAAGTGCTGGAACGGCGTGGCCACTTGGCTCTGGGTGGCCAACGATGAGAACTGT
GGCATCTGCAGGATGGCATTTAACGGATGCTGCCCTGACTGCAAGGTGCCGGCGACGACTGCCCGCTG
GTGTGGGGCCAGTGTCCCACTGCTTCCACATGCATTGCATCCTCAAGTGGCTGCACGCACAGCAGGTG
CAGCAGCACTGCCCATGTGCCCCAGGAATGGAAGTTCAAGGAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001002249
Insert Size:	255 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



[View online »](#)

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_001002249.1
RefSeq Size:	977 bp
RefSeq ORF:	255 bp
Locus ID:	51529
UniProt ID:	Q9NYG5
Cytogenetics:	17q25.3
Protein Families:	Druggable Genome
Protein Pathways:	Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation, Ubiquitin mediated proteolysis
MW:	9.8 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 (7) lacks an exon and contains two alternate exons in the 5' UTR and lacks an exon in the 3' coding region, which results in a frameshift, compared to variant 1. The encoded isoform (2) has a distinct C-terminus and is shorter than isoform 1. Variants 2, 3, 4, 5, 6, 7, 8, 9, 10, and 11 encode the isoform 2.</p>