

Product datasheet for **RG235521**

Apc11 (ANAPC11) (NM_001289416) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Apc11 (ANAPC11) (NM_001289416) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ANAPC11
Synonyms: APC11; Apc11p; HSPC214
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG235521 representing NM_001289416.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGGTGAAGATTAAGTGCTGGAACGGCGTGGCCACTTGGCTCTGGGTGGCCAACGATGAGAACTGT
GGCATCTGCAGGATGGCATTAAACGGATGCTGCCCTGACTGCAAGGTGCCGCGCAGCAGCTGCCCGCTG
GTGTGGGGCCAGTGCTCCCCTGCTCCACATGCATTGCATCCTCAAGTGGCTGCACGCACAGCAGGTG
CAGCAGCACTGCCCCATGTGCCGCCAGGAATGGAAGTTCAAGGAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG235521
Blue=ORF Red=Cloning site Green=Tag(s)

```
MKVKIKCWNGVATWLWVANDENCGICRMAFNCCPDCKVPGDDCPLVWGQCSHCFFMHCILKWLHAQQV
QQHCPMCRQEWKFKE
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
SVIFTDKIIRSNAIVEHLHPMGDNDLDGSFTRFSLRDGGYSSVVDSHMHFKSAIHPISILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

Restriction Sites: SgfI-MluI



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OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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).
RefSeq:	NM_001289416.1 , NP_001276345.1
RefSeq Size:	914 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:	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]