

## Product datasheet for **RG235526**

### APC16 (ANAPC16) (NM\_001242548) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** APC16 (ANAPC16) (NM\_001242548) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** APC16  
**Synonyms:** APC16; bA570G20.3; C10orf104; CENP-27; MSAG  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG235526 representing NM\_001242548.  
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTGCTTCATCATCATCCTCCTCAGCTGGTGGGGTCAGTGGAAATTCTGTCACTGGATCTGGTTTC
AGTGTCTCAGACCTTGCCCAACACGAAAGCCCTTTTACCTACCCAAAGGAGCTGGAGAGATGTTA
GAAGATCAGCAAGTTGCTCGGATGGAAAACTAGCTGGTTTGGTAGAAGAGCTGGAGGCTGACGAGTGG
CGGTTTAAGCCCATCGAGCAGCTGCTGGGATTCACCCCTCTTCAGGT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG235526  
Blue=ORF Red=Cloning site Green=Tag(s)

```
MAASSSSSAGGVSGSSVTGSGFSVSDLAPPRKALFTYPKGAGEMLEDQQVARMKLAGLVEELEADEW
RFKPIEQLLGFTPSSG
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

**Restriction Sites:** SgfI-MluI



**Cloning Scheme:**


**ACCN:** NM\_001242548

**ORF Size:** 255 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**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\\_001242548.1](#), [NP\\_001229477.1](#)

**RefSeq Size:** 3111 bp

**RefSeq ORF:** 258 bp

**Locus ID:** 119504

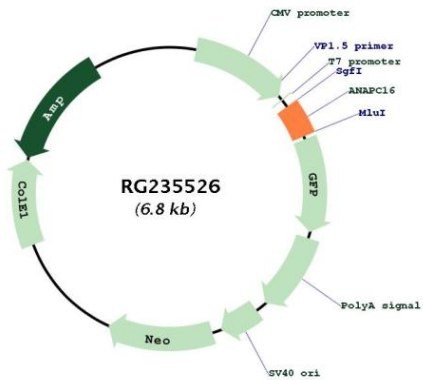
**Cytogenetics:** 10q22.1

**MW:** 9.3 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]

**Product images:**



Circular map for RG235526