

## Product datasheet for **RG231664**

### APC16 (ANAPC16) (NM\_001242547) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** APC16 (ANAPC16) (NM\_001242547) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** ANAPC16  
**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:** >RG231664 representing NM\_001242547  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGCTTCATCATCATCCTCCTCAGCTGGTGGGGTCAGTGGAAATTCTGTCCTGATCTGGTTTCA  
GTGTCTCAGACCTTGCCACCACGAAAGCCCTTTTCACCTACCCAAAGGAGCTGGAGAGATGTTAGA  
AGATGGCTCTGAGAGATTCCTCTGCGAATCTGTTTTAGCTATCAAGTGGCATCCACGCTAAACAGGTG  
AAACATGATCAGCAAGTTGCTCGGATGGAAAACTAGCTGGTTTGGTAGAAGAGCTGGAGGCTGACGAGT  
GGCGGTTAAGCCATCGAGCAGCTGCTGGGATCACCCCTCTCAGGT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG231664 representing NM\_001242547  
Red=Cloning site Green=Tags(s)  
MAASSSSSAGGVSGSSVTGSGFSVSDLAPPRKALFTYPKGAGEMLEDGSRFLCESVFSYQVASTLKQV  
KHDQQVARMEKLAGLVEELEADEWRFKPIEQLLGFTPSSG

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001242547.2</a></u>
<b>RefSeq Size:</b>	3186 bp
<b>RefSeq ORF:</b>	333 bp
<b>Locus ID:</b>	119504
<b>UniProt ID:</b>	<u><a href="#">Q96DE5</a></u>
<b>Cytogenetics:</b>	10q22.1
<b>Gene Summary:</b>	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]