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# Product datasheet for MG200416

## Anapc16 (NM_025514) Mouse Tagged ORF Clone

### Product data:

| | |
|---|---|
| **Product Type:** | Expression Plasmids |
| **Product Name:** | Anapc16 (NM_025514) Mouse Tagged ORF Clone |
| **Tag:** | TurboGFP |
| **Symbol:** | Anapc16 |
| **Synonyms:** | 2310005G07Rik; APC16; D10Ertd641e |
| **Mammalian Cell Selection:** | Neomycin |
| **Vector:** | pCMV6-AC-GFP (PS100010) |
| **E. coli Selection:** | Ampicillin (100 ug/mL) |

**ORF Nucleotide Sequence:**

```
>MG200416 representing NM_025514
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCGCCTCCTCGTCTTCGTCTTCAGCTGGTGGGGTCAGTGGAAGCTCTGTCACCGGATCTGGTTTCA
GTGTGTCCGACCTTGCCCCACCTCGGAAAGCTCTGTTCACCTACCCGAAAGGAGCTGGAGAGATGTTAGA
AGATGGCTCCGAGCGATTCCTCTGTGAGTCGGTGTTTAGCTATCAAGTGGCATCCACGCTTAAACAGGTG
AAGCATGATCAGCAAGTCGCTCGGATGGAAAAACTGGCTGGTCTGGTGGAAGAGCTGGAGGCCGACGAGT
GGCGGTTTAAACCCATCGAGCAGCTGCTGGGGTTCACACCCTCCTCGGGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag -  GTTTAA
```

**Protein Sequence:**

```
>MG200416 representing NM_025514
Red=Cloning site Green=Tags(s)

MAASSSSSSAGGVSGSSVTGSGFSVSDLAPPRKALFTYPKGAGEMLEDGSERFLCESVFSYQVASTLKQV
KHDQQVARMEKLAGLVEELEADEWRFKPIEQLLGFTPSSG

TRTRPLE - GFP Tag -  V
```

**Restriction Sites:** SgfI-MluI

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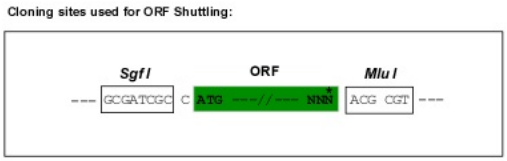
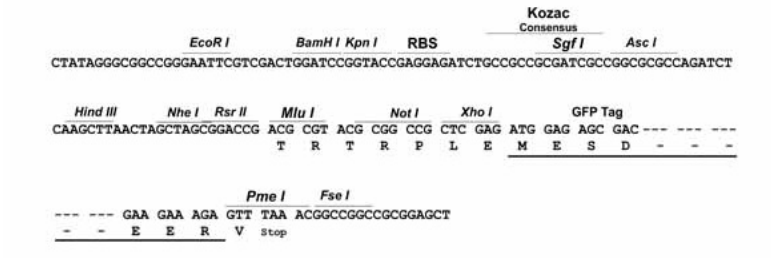
**Cloning Scheme:**




| | |
|---|---|
| **ACCN:** | NM_025514 |
| **ORF Size:** | 330 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). |
| **Reconstitution Method:** | 1. Centrifuge at 5,000xg for 5min.<br>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.<br>3. Close the tube and incubate for 10 minutes at room temperature.<br>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.<br>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_025514.3 |
| **RefSeq Size:** | 1329 bp |
| **RefSeq ORF:** | 333 bp |

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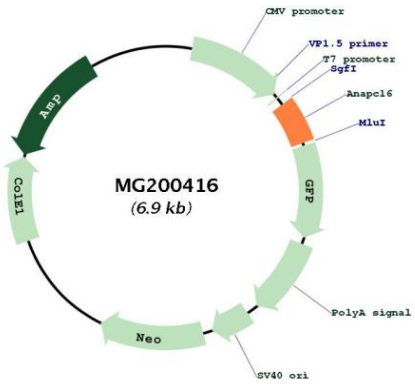
| | |
|---|---|
| **Locus ID:** | 52717 |
| **UniProt ID:** | Q9CPV2 |
| **Cytogenetics:** | 10 29.66 cM |
| **Gene Summary:** | Component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated E3 ubiquitin ligase that controls progression through mitosis and the G1 phase of the 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 MG200416

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