

## Product datasheet for **MR216559**

### Anapc7 (NM\_019805) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Anapc7 (NM_019805) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Anapc7
Synonyms:	APC7; AW545589
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR216559 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGTGTGATAGACCACGTGCGGGACATGGCGGTGCGGGACTGCACTCCAACGTGCGGCTCCTCAGCA  
 GCCTGCTGCTCACCATGAGTAACAACAACCTGAGCTGTTTTCCCGTCGCAGAAGTACCAGCTCTTGGT  
 GTATCATGCGACTCTCTGTTTACGAT AAGGAGTACCGCAATGCTGTGAGTAAGTACGCCATGGCTTTA  
 CAGCAGAAGAAAGCCTTAAGTAAGACTTCAAAGTGCAGCCTTCCACTGGGAATTCTGCATCTACTCCAC  
 AGAGTCAGTGTCTTCCATCTGAAATTGAAGTAAAACAAAATGGCTGAGTGTACACAATGCTGAAGCT  
 AGACAAGGATGCCATTGCTGACTCGATGGGATCCCTCAAGACAAGAAGTCCCAAAAATAACATGATG  
 CTGGCAAACCTGTACAAGAAGGCTGGTCAGGAGCGCCATCAGTCACAAGCTATAAGGAGGTCTGCGGC  
 AGTGCCCTTTGGCCCTTGACGCCATTCTAGGTTTGTATCCCTGTCTGTGAAAGGCGCAGAGGTGGCATC  
 AATGACGATGAATGTGATCCAGACTGTGCCAACTTGGACTGGCTGTCCGTGTGGATTAAGCGTATGCT  
 TTTGTGCACACCGGTGACAACTCGAGAGCAATCAACACCATCTGTTCAGTACAGAAAAAATCATTACTGC  
 GAGACAACGTGGACCTGCTGGGGAGCCTGGCCGACCTGTACTTCAGAGCAGGGGACAGCAAGAAGCTGT  
 CCTCAAGTTTGTAGCAGGCCAGATGCTGGATCCCTACTTGATAAGAGGGATGGATGTTTACGGCTACCTC  
 CTGGCAGGAGAAGGGCGGCTGGAGGATGTGGAGAACCTTGGTGCCGCTCTTCAACATTTCTGATCAGC  
 ATGCAGAGCCCTGGTGGTCTCCGGATGCCACAGCTTCTATAGCAAGCGCTACTCTCGGGCCCTGTACTT  
 AGGTGCCAAGGCCATCCAGCTGAACAGCAACAGCGTCCAGGCTCTGTTACTCAAGGGGCGGCGCTTAGG  
 AACATGGGGAGGGTCCAGGAAGCCATCATACTTTCCGGAGGCCATCAGGCTTGCCTGTGCTGCTGGAAG  
 ACTGTTACGAAGGTCTCATAGAGTGTACTTACTTCTAACAGCATCCGAGAAGCAATGGTATGGCCAA  
 CAATGTTTACAAAACCTGCGGTGCAAACGCTCAGACGCTTACGCTGTTAGCCACCGTGTGCTGGAAGAT  
 CCAGTGACCCAGGAGAAAGCCAAAACCTCTGTTAGATAAAGCCCTGGCGCAGAGGCCGACTACGTCAAGG  
 CCGTGGTGAAGAAAGCAGAGCTGCTCAGCAGGGAACAGAAATATGAAGATGGAATTGCTCTGCTGAGAAA  
 TGCGCTGGCCAACCAGAGTACTGTGCTCCTGCATCGGATCCTGGGGGACTTCTAGTAGCTGTGAACGAG  
 TACCAGGAAGCGATGGACCAGTACAGTATAGCACTGAGTTGGACCCCAATGACCAGAAGTCTCTCGAGG  
 GGATGCAGAAGATGGAGAAGGAGGAGATCCCACGGATGCCACTCAGGAGGAAGATGTGGACGACATGGA  
 GGGGAGTGGGAAGAAGGGGACCTGGAGGCGAGCAGTGAAGGAGCCAGTGGCAGACCAGGAGCAG  
 TGGTTCGGCATGCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR216559 protein sequence  
 Red=Cloning site Green=Tags(s)

MSVIDHVRDMAAAGLHSNVRLLSLLLLTMSNNPELFPSPQKYQLLVYHADSLFHDKEYRNAVSKYAMAL  
 QQKKALSKTSKVRPSTGNSASTPQSQCLPSEIEVKYKMAECYMLKLDKDAIAVLVDGIPSRQRTPKINMM  
 LANLYKKAGQERPSVTSYKEVLRQCPLALDAILGLLSLSVKGAEVASMTMNVITQVPLNDWLSVWIKAYA  
 FVHTGDNRAINTICSLEKKSLLRDNVDLLGSLADLYFRAGDSKNSVLKFEQAQMLDPYLIRGMDVYGYL  
 LAREGRLDVENLGCRLFNISDQHAEPVWVSGCHSFYKRYSRALYLAKAIQLNSNSVQALLLKGAAALR  
 NMGRVQEAIIHFREAIRLAPCRLDYEGLECYLASNSIREAMVMANNVYKTLGANAQTLTLLATVCLD  
 PVTQEAKATLLDKALAQRPDYVKA VVKAEELLSREQKYEDGIALLRNALANQSDCVLHRILGDFLVAVNE  
 YQEAMDQYSIALSLDPNDQKSLGEMQKMEKEESPTDATQEEDVDDMEGSGEEGDLEGS DSEAAQWADQEQ  
 WFGMQ

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_019805

**ORF Size:** 1698 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.
  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\\_019805.4](#), [NP\\_062779.3](#)

**RefSeq Size:** 2751 bp

**RefSeq ORF:** 1698 bp

**Locus ID:** 56317

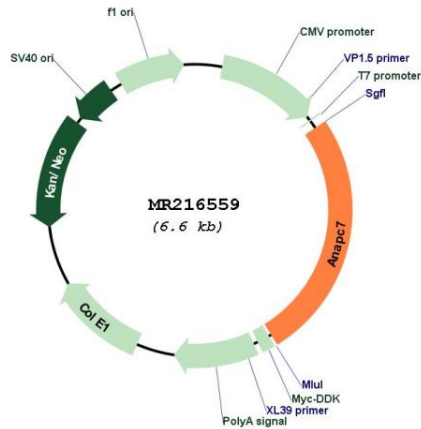
**UniProt ID:** [Q9WVM3](#)

**Cytogenetics:** 5 F

**MW:** 63 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 (By similarity). [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR216559