

## Product datasheet for **MC219073**

### Anapc7 (NM\_019805) Mouse Untagged Clone

#### Product data:

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



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**Fully Sequenced ORF:** >MC219073 representing NM\_019805  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGTGTGATAGACCACGTGCGGGACATGGCGGTGCGGGACTGCACTCCAACGTGCGGCTCCTCAGCA  
 GCCTGCTGCTCACCATGAGTAACAACAACCCTGAGCTGTTTTCCCGTCGCAGAAGTACCAGCTCTTGGT  
 GTATCATGCGACTCTCTGTTTACGAT AAGGAGTACCGCAATGCTGTGAGTAAGTACGCCATGGCTTTA  
 CAGCAGAAGAAAGCCTTAAGTAAGACTTCAAAGTGCGGCCTTCCACTGGGAATTCTGCATCTACTCCAC  
 AGAGTCAGTGTCTTCCATCTGAAATTGAAGTAAAACAAAATGGCTGAGTGTACACAATGCTGAAGCT  
 AGACAAGGATGCCATTGCTGACTCGATGGGATCCCTTCAAGACAAGAAGTCCCAAAAATAACATGATG  
 CTGGCAAACCTGTACAAGAAGGCTGGTCAGGAGCGCCATCAGTCACAAGCTATAAGGAGGTCTGCGGC  
 AGTGCCCTTTGGCCCTTGACGCCATTCTAGGTTTGTATCCCTGTCTGTGAAAGGCGCAGAGGTGGCATC  
 AATGACGATGAATGTGATCCAGACTGTGCCCAACTTGGACTGGCTGTCCGTGTGGATTAAGCGTATGCT  
 TTTGTGCACACCGGTGACAACTCGAGAGCAATCAACACCATCTGTTCAGTACAGAAAAAATCATTACTGC  
 GAGACAACGTGGACCTGCTGGGGAGCCTGGCCGACCTGTACTTCAGAGCAGGGGACAGCAAGAAGCTGT  
 CCTCAAGTTTGTAGCAGGCCAGATGCTGGATCCCTACTTGATAAGAGGGATGGATGTTTACGGCTACCTC  
 CTGGCAGGAGAAGGGCGGCTGGAGGATGTGGAGAACCTTGGTGCCGCTCTTCAACATTCTGATCAGC  
 ATGCAGAGCCCTGGTGGTCTCCGGATGCCACAGCTTCTATAGCAAGCGCTACTCTGGGCCCTGTACTT  
 AGGTGCCAAGGCCATCCAGCTGAACAGCAACAGCGTCCAGGCTCTGTTACTCAAGGGGCGGCGCTTAGG  
 AACATGGGGAGGTCCAGGAAGCCATCATACTTTCGGGAGGCCATCAGGCTTGCCTTGTGCTGATGAA  
 ACTGTTACGAAGGTCTCATAGAGTGTACTTAGCTTCTAACAGCATCCGAGAAGCAATGGTGTGGCCAA  
 CAATGTTTACAAAACCTTGGGTGCAACCGCTCAGACGCTTACGCTGTAGCCACCGTGTGTCTGGAAGAT  
 CCAAGTACCCAGGAGAAAGCCAAAACCTCTGTTAGATAAAGCCCTGGCGCAGAGGCCGACTACGTCAAGG  
 CCGTGGTGAAGAAAGCAGAGCTGCTCAGCAGGGAACAGAAATATGAAGATGGAATTGCTCTGCTGAGAAA  
 TGCGCTGGCCAACCAGAGTACTGTGCTCCTGCATCGGATCCTGGGGGACTTCTAGTAGCTGTGAACGAG  
 TACCAGGAAGCGATGGACCAGTACAGTATAGCACTGAGTTGGACCCCAATGACCAGAAGTCTCTCGAGG  
 GGATGCAGAAGATGGAGAAGGAGGAGATCCCACGGATGCCACTCAGGAGGAAGATGTGGACGACATGGA  
 GGGGAGTGGGAAGAAGGGGACCTGGAGGCGAGCAGTGGAGGAGCCAGTGGGAGCCAGTGGGAGACCAGGAGCAG  
 TGGTTCGGCATGCAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_019805

**Insert Size:** 1698 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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

**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]