

Product datasheet for **MG216559**

Anapc7 (NM_019805) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anapc7 (NM_019805) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Anapc7
Synonyms:	APC7; AW545589
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG216559 representing NM_019805
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTGTGATAGACCACGTGCGGGACATGGCGGTGCGGGACTGCACTCCAACGTGCGGCTCCTCAGCA
 GCCTGCTGCTCACCATGAGTAACAACAACCTGAGCTGTTTTCCCGTCGCAGAAGTACCAGCTCTTGGT
 GTATCATGCAGACTCTCTGTTTCACGAT AAGGAGTACCGCAATGCTGTGAGTAAGTACGCCATGGCTTTA
 CAGCAGAAGAAAGCCTTAAGTAAGACTTCCAAAGTGCAGCCTTCCACTGGGAATTCTGCATCTACTCCAC
 AGAGTCAGTGTCTTCCATCTGAAATTGAAGTGAATAACAAAATGGCTGAGTGTACACAATGCTGAAGCT
 AGACAAGGATGCCATTGCTGTACTCGATGGGATCCCTTCAAGACAAGAAGTCCCAAAAATAACATGATG
 CTGGCAAACCTGTACAAGAAGGCTGGTCAGGAGCGCCATCAGTCACAAGCTATAAGGAGGTCTGCGGC
 AGTGCCCTTTGGCCCTTGACGCCATTCTAGGTTTGTATCCCTGTCTGTGAAAGGCGCAGAGGTGGCATC
 AATGACGATGAATGTGATCCAGACTGTGCCAACTTGGACTGGCTGTCCGTGTGGATTAAGCGTATGCT
 TTTGTGCACACCGGTGACAACTCGAGAGCAATCAACACCATCTGTTCAGTACAGAAAAAATCATTACTGC
 GAGACAACGTGGACCTGCTGGGGAGCCTGGCCGACCTGTACTTCAGAGCAGGGGACAGCAAGAAGCTGT
 CCTCAAGTTTGTAGCAGGCCAGATGCTGGATCCCTACTTGATAAGAGGGATGGATGTTTACGGCTACCTC
 CTGGCAGGAGAAGGGCGGCTGGAGGATGTGGAGAACCTTGGTGCCGCTCTTCAACATTTCTGATCAGC
 ATGCAGAGCCCTGGTGGTCTCCGGATGCCACAGCTTCTATAGCAAGCGCTACTCTCGGGCCCTGTACTT
 AGGTGCCAAGGCCATCCAGCTGAACAGCAACAGCGTCCAGGCTCTGTTACTCAAGGGGCGGCGCTTAGG
 AACATGGGGAGGGTCCAGGAAGCCATCATACTTTCCGGAGGCCATCAGGCTTGCCTGTGCGTTGG
 ACTGTTACGAAGGTCTCATAGAGTGTACTTACTTCTAACAGCATCCGAGAAGCAATGGTGTGATGGCCAA
 CAATGTTTACAAAACCTGCGGTGCAAACGCTCAGACGCTTACGCTGTTAGCCACCGTGTGTCTGGAAGAT
 CCAGTGACCCAGGAGAAAGCCAAAACCTCTGTTAGATAAAGCCCTGGCGCAGAGGCCGACTACGTCAAGG
 CCGTGGTGAAGAAAGCAGAGCTGCTCAGCAGGGAACAGAAATATGAAGATGGAATTGCTCTGCTGAGAAA
 TGCGCTGGCCAACCAGAGTACTGTGCTCCTGCATCGGATCCTGGGGGACTTCTAGTAGCTGTGAACGAG
 TACCAGGAAGCGATGGACCAGTACAGTATAGCACTGAGTTGGACCCCAATGACCAGAAGTCTCTCGAGG
 GGATGCAGAAGATGGAGAAGGAGGAGATCCCACGGATGCCACTCAGGAGGAAGATGTGGACGACATGGA
 GGGGAGTGGGAAGAAGGGGACCTGGAGGCAGCGACAGTGAGGCAGCCAGTGGGCAGACCAGGAGCAG
 TGGTTCGGCATGCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG216559 representing NM_019805
 Red=Cloning site Green=Tags(s)

MSVIDHVRDMAAAGLHNSVRLSSLLL TMSNNPELFSPSQKYQLLVYHADSLFHDKEYRNAVSKYAMAL
 QKKKALSKTSKVRPSTGNSASTPQSQCLPSEIEVKYKMAECYMLKLDKDAIAVLGDGIPSRQRTPKINMM
 LANLYKKAGQERPSVTSYKEVLRQCPLALDAILGLLSLSVKGAEVASMTMNVITVPLNDWLSVWIKAYA
 FVHTGDNRAINTICSLEKKSLLRDNVDLLGSLADLYFRAGDSKNSVLKFEQAQMLDPYLIRGMDVYGYL
 LAREGRLDVENLGCRLFNISDQHAEPWVVSCHSFYSKRYSRALYLAKAIQLNSNSVQALLKGAALR
 NMGRVQEAIIHFREAIRLAPCRLDCEGLIECYLASNSIREAMVMANNVYKTLGANAQTLTLLATVCLD
 PVTQEKAKTLLDKALAQRPDYVKA VVKAEALLSREQKYEDGIALLRNALANQSDCVLHRILGDFL VAVNE
 YQEAMDQYSIALSLDPNDQKSLEGMQKMEKEESPTDATQEEDVDDMEGSGEEGDLEGS DSEAAQWADQEQ
 WFGMQ

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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:	<ol style="list-style-type: none">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]