

Product datasheet for **MC225074**

Anapc1 (NM_008569) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anapc1 (NM_008569) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Anapc1
Synonyms:	2610021O03Rik; AI047775; AI853536; Apc1; AW547281; Mcpr; tsg24
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC225074 representing NM_008569 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTGCAACTTCTCTGAAGAAAGGGCAACGATGATTGCAGCCGGGATTTGCAGGAATTTGTTCCTTTTG
GCCGAGACCCTGCAAGCACCACCCTAACGCTCTGAACCTTCAGCTTCGTCAGCTGCAGCCAGCCTCTGA
GTTATGGTCTTCTGATGGTGCAGCTGGCTTGGTGGGATCTCTTCAGGAGTTACAATCCATGAGAAACAG
AAGGAAAGCTGGCAGTTAAGAAAAGGTGTGAGTGAGATTGGAGATGCAGCTGACTACGATGAAGAGCTCT
ATGTGGCTGGGAACATGGTTATCTGGAGCAAAGGGAGTAAAAGCCAGGCACTGGCAGTGTACAAAGCGTT
CACAGTGGACAGCACTGTCCAGCAGGCATTGTGGTGTGACTTCATTATATCACAGGATAAGTCTGAAAAG
ATCTATAAGAGCCATGAACTAGAGAAAATGCATATGTATATTACAGAGTTCATGTATGAACATGCATAGCA
TAGACGGGAAGGATTATAGCTTCCTTACCTTTTCAGGTGGCAAATGTTGGGCCACTAAATATGGCTT
GCTGTTTGAACGATGCAGTTCCTCACATGAGGTACCTCCAAGTCTACCTAGAGAACCTTTGCCTACTATG
TTCAGCATGCTGCACCCACTGGATGAGATAACTCCACTTGTGTTGTAATCCGGAAGTCTTTTGGCTCAT
CACGGGTACAGTATGTTGTAGATCCAGCAGTGAAAATTGTTTTCTGAACATTGACCCCTCCATTGTGCAT
GACCTATGATGCTGTTTCAAGATGTGACTTCTGTGTGGACTCTGCGGAGGGTAAAGCCAGAGGAAGAGAAT
GCTGTTTTAAAGTTCCCTGAGCAGGCAGGGACCCTGCAGAATGCAACTACTAGCAGCTCCCTGACAGCAC
ATCTCAGAAGCCTCTCCAAGGGCAATCCCTGTGGCTTCGCGGTTCCAGAATTACTCTTCCATTACACAG
CCAGAGTCGCTCAACCTCTCGCCAGTCTACACTCTCGGTGCGCTTCCATTTCCAACATGGCGGCTCTA
AGTCGTGCTCACTCTCCTGCCTTAGGTGTGCACTCTTCTCAGGGGCGCAAAGATTCAACCTTTCAAGCC
ACAGTCAGTCACCAAAGAGACACAGCATTCTCACTCTCCGAGTGGCAGTTTCAACGACTCATTTTGGC
ACCAGAAACAGAGCCAATTGTTCTGAGCTGTGATTGATCACTTATGGACTGAGACACTCCGAATATA
AGAGAGAAAAATCTCAAGCCTCAAGGATTTTATAACGACTGACCTGTGTGGACAGAAGTCTTTGTGCT
TTTTAGTGGAGGCCAGCTTCAGTTACGCTGTGTAAGTTTCAAGAGAGTAATGACAAGACTCAGCTTAT
CTTTGGCTCTGTACCAACATACATGCAAAGATGCAGCCCCAGTGGAGAAGATACACCATGCTGGTC
CTAGAAGGCAACGGGAACCTGGTGTGTACACAGGAGTGGTGGGGTGGGAAAGTCTTTATCCCTGGAC



[View online »](#)

TTCCGGCTCCTTCCCTGACAATGTCCAACATGATGCCTCGGCCAGTACCCCGCTCGACGGTGTGGTAC
 TCCAAAGCCTCTGAGTAAATTGCTTGGATCGATGGATGAGGTGGTTCTGTTGTCTCCAGTTCAGAATTG
 AGGGATTCTTCAAACCTAATGATTCTCTCTACAATGAGGATTGCACATTCCAGCAGCTTGGAACTTACA
 TTCATTCTGTGCGAGACCCTGTTTATAACAGAGTCACTCTAGAAGTGAAGCAATGGCTCCATGGTTCGGAT
 CACTATCCCTGAAGTGGCCACCTCGGAATTAGTACAAACGTGTCTGCAAGCAATTAAGTTCATCCTGCCA
 AAAGAAGTAGCCATTAGGTGCTCGTCAAGTGGTACAATGTGCACAGTGTCCAGGAGGACCCAGCTGTCT
 ACTCAGAGTGGAGTTTATTTGTGATTTGTCTCTTGAACATGATGGGTTATAACACAGACCCGCTTAGCATG
 GACCCGAAGTTTTGACTTTGAAGGATCACTTTCCCCAGTATTGCACCCAAAAAGCAAGGCCCTTCTGAT
 ACTGGATCTGACGAGGACTGGGAGTACTTACTGAACTCAGAGTACCATCGCAATGTTGAGTCTCATCTTT
 TGAACAAATCTCTATGTTTACTGCTTTTGAAGTTTCAAATGCAAAGGATGAAGATTTTTTCGAGAACCT
 CAGTCTGGATTCTTACCCTTCTTTTGTCTCACATTCTGCAATTTTCTTTGTTCTTCCACTGGTTTAT
 GAAGAGCTCAAGTTGAATACTCTAATGGGAGAAGGAATTTGTTCTTATCGACCTCCTTGTTCAGTTGG
 CAAGGGACTTAAAATTGGACTCTTACTTGGACCATTACTATCGAGATTCCCAACTCTTGTCAAACCCAC
 TGGACAAGTATGCACCATTGACCAAGGTCAGATGGGATTTATGCATCATCCCCATTTTTACTTCTGAG
 CCACCAAGTATTTATCAGTGGGTGAGTTCATGCCTGAAGGGTGAAGGGATGCCACCCTATCCTTACCTTC
 CTGGGATTTGCGAGAGGAGCAGGCTAGTGGTCTTGAGCATTGCCCTCTATACCCTTGGTGATGAGAGCTG
 TGTGTCTGATGAAACTTGCCAGTACTTATCCAAAGTAACCTCAACTCCCCAAAAGCCACAAGCAGAGCAA
 GAAGAAAACAGGTTTACTTTCCGGCATTCTGCTCCGTTTCTGTTCTGGCCGAGAGATTAGTTGTCTGGA
 TGGCCAGTGTAGGATTCACTTTAAGAGATCTGGAGACTCTTCCCTTTGGGATTGCTTCCCATCAGAGA
 TGCGATTTACCACTGTCCGGAGCAGCCTGATTGAGATTGGTGCAGAAAGCGGTCTGTCTCTTATTGGACGT
 CAGGATCTTCCAAGCAGGCTTGTGAAGGAAATTTACCCAGAGGCAAATCTGTGCTCTCATCAGAGGTGT
 CTTCAGGAACTGAGGCAGAGGAGGAAGATGATGGCATGAATGACTTGAACCATGAGGTTATGTCATTAAT
 ATGGAGTGAAGATTTACGGGTGCAGGATGTGCGAAGGCTGCTTCAAAGTGCACAGCCTGTCCGTGCAAT
 GTGGTGCAGTACCAGAAGTCAAGTACCATGAGTTCATTGAAGAAAAGGAAAACAGACTGCTCCAGTTGT
 GTCAGCGAACTATGGCCCTTCCAGTAGGACGAGGAATGTTTACCTTGTCTCATATCATCTGTTCCAAC
 AGAGCCGTTGCCTGTTCTAAATGAATCTGACAGGGCGAGCCCTCCACGAAACACAAGTGTAGATCTT
 AATAGCGGAAACATCGACGTGCCTCCCAACATGGCCAGCTGGGCCAGCTTTCATAATGGTGTGGCTGCCG
 GCCTGAAGATAGCCCCAGCCTCCAGATAGACTCAGCTTGGATCGTTTACAACAAGCCAAAGCATGCTGA
 GTTAGCCAATGAGTATGCCGGCTTTCATGCCCCTGGGTCTGAATGGGCACCTTACCAAGCTGGCTACT
 CTCAATATCCATGACTATTTGACCAAGGGCCATGAAATGACAAGCATTGGATTGCTACTTGGTGTCTCTG
 CTGCAAAGCTTGGCACCATGGACATGTCAATTACCCGGCTCCTCAGCATTACGTTCTGCTCTCTTACC
 CCCGACATCCACAGAGCTTGACGTGCCTCAATGTCCAAGTGGCGGCTGTGGTTGGCATTGGCCTTGTG
 TATCAGGGCAGACTCACAGACACTGCGGAAGTCTGTTGGCTGAAATAGGGCGGCCCTTGGTCCAG
 AAATGGAATACTGCACTGACAGAGATCGTACTCCTTAGCTGCTGGCCTGGCCCTGGGCATGGTTTGCTT
 GGGGCATGGCAGCAATTTGATTGGCATGTCTGATCTCAATGTGCCTGAGCAGCTGTATCAGTACATGGTT
 GGAGGCCATAGGCGATTTCAAACGGAATGCACAGGGAGAACAATAAGTCTCAAAGTTATCAGATCAAAG
 AAGGAGACACCATAAACGTGGATGTGACTTGTCCCGGTGCTACTTGGCCTTGGCTATGATCTACTTAAA
 AACCAATAACAGGTCCATTGCTGATTGGCTGCTGCTCCTGATACCATGTATTTGCTAGACTTTGTGAAA
 CCAGAATTCCTTTTGTAGGACACTTGTGCTGGTCTGATTTTGGGATGATATCTTACCAAATTTCCA
 AGTGGGTTGACAGCAATGTTCTCAGATTATAAGAGAAAATAGTATCTCTCTGAGTGAATTTGAATGGC
 TTGTTGAGAGGACTTGAATTTGGAACCTTGTGCGAAGCACAGTCTACATCATTGCAGGAGCCTGCTTG
 TCTTAGGGTTTCGATTTGCTGGCTCAGAAAATTTATCAGCATTAGCTGTCTGCATAAATTTGCAAAG
 ATTTTATGAATTTTATCTGCACCCAATGCTTCTGTAACAGGGCCCTATAACCTCGAAACCTGCCTGAG
 TGTGGTCTGCTGCTCTTGGCATGGTATGGCTGGCTCTGGGAACCTGAAGGTGTTGCAGCTCTGTGCG
 TTTCTGCACATGAAGACTGGTGGAGAGATGAACATGGCTTCCACTTGGCCACCACATGGCCCTGGGCC
 TTCTCTTTTGGGAGGAGGAAGTACTCTTTGAGCACATCCAACCTCATCCATTGCTGCCCTTCTCTGCGC
 CCTTACCACATTTCCAGCCACAGCACTGACAACCGGTATCATCTCCAGGCCCTTGGCACCTCTAT
 GTGCTAGCTGCAGAACCAAGGCTCCTGGTACCTGTGGATGTGGATACAAACACACCCTGCTATGCCCTTA
 TAGAAGTTACTTACAAGGGCACTCAGTGGTATGAACAGACCAAAGAAGAACTGATGGCTCCAACCTTCT
 TCCAGAATTCATCTTTTAAAGCAGATGAAAGTTAAAGGGCCAAGATACTGGGAAGTCTCATAGATTTA
 AGCAAGGGAGAACAGCACTTGGAGTCTATCTTTTGAAGGATGGAGTTTATATGTAAGCTCAGGGCAG
 GACAGCTCTCTACAAGAAGACCCAATGGGGTGGCAGAGTTGTTGGCACAACCTGTTGCTAATAGGAA

CTCTGAAGCCCGGGCTTTCAAGCCTGAAACAATTCATCATTCACTTCTGATCCAGCACTTCTGTCAATT
 GCTGAATATTTCTGCAAGCCGACTGTGAGCATGGGTCCAAAACAGGAGATTCTGGACCTCTTTTCTTCGA
 TACTTTATGAGTGTGTTGCTCAGGAAACCCAGAGATGTTGCCTGCCTACATAGCAATGGATCAGGCTCT
 AAGAAGTCTTAAAAAGAGAGACATGTCAGACACATCTGATCTTTGGCAGATAAAGTTGATATTAGAATTT
 TTCAGTCCCAGAACCCAGGATAGGCAGCATACCTATCCTAAGCGAGGGCTCTCATAAATCTGAGT
 TCCTACCTGTGGTGAAGTGCACCTGTTGATGCTACCCTGGACCAGTGGCTACAAGCTGGCGGTGATGTGTG
 GTGCATGCCTACCTCAGTGGCAGCCTGTTGAGAAGTCTCAGCTAAACATGCTGGCCTGCTTCCTTGTG
 TACCCTCTGTGCCAGCACCCAGCACTTGCCCCCATGGGACTGGAAGGGAGCACAAGCTTTGCTGAAC
 TCCTCTACAGTTCCGACACCTGAAGATGCCCGTCCGGGCTTTGCTAAGACTGGCTCCTGTGCTGCTTGG
 GAACCCACAGCCGATGGTCATGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_008569
- Insert Size:** 5835 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_008569.2](#), [NP_032595.2](#)
- RefSeq Size:** 8967 bp
- RefSeq ORF:** 5835 bp
- Locus ID:** 17222
- UniProt ID:** [P53995](#)
- Cytogenetics:** 2 F1
- 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]