

## Product datasheet for **MC202371**

### Anapc5 (NM\_001042491) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Anapc5 (NM_001042491) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Anapc5
Synonyms:	2510006G12Rik; AA408751; AA536819; AA986414; Anpc5; APC5
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC046566 sequence for NM\_001042491  
 TCGACCCACGCGTCCGTCGACCCACGCGTCCGCTGGGAAACAGTCTTGGGCGGGTTAAGGTGCCGGGCGG  
 CTGCAGCCATGGCGTAAAGGCGGCTCGTGGGCGCGGCGGTGGCAGGCCTGGAGAGGGCCTGTCCTTGCC  
 GGCGTCCACGAAGAGCCAGGACTTCAGCCCGATGATGACCAACGGGGTAGTGCACGCCAATTGTTTGCC  
 ATCAAGGACTGGGTGACGCCCTATAAGATCGCCGTCCTGGTGTGCTCAACGAGATGGGCCGCACGGGCG  
 AGGGCGCCGTGAGCCTCGTGGAGCGGCGGAAGCTCAACCAGCTGCTCCTGCCCTGCTGCAGGGCCAGAT  
 TATTACACTGTCAAAGCTGTACAAGCTAATTGAAGAATCGTGTCCCTCAGCTGGCAAATTCAGTGCAGATC  
 AGAATCAAGCTCATGGCTGAAGGCGAAGCTGAAGGATATGGAACAATTTTTTGGATGACCTTTCAGATTCTT  
 TTTCTGGAAGTGAACCAGAGTTTCAAAAACGAGTGTAGTAGGTCTGTTCTGCGCCACATGATCTTGCC  
 CTACAGTAAGCTTTTTCAGTCAAGTGTTTAAGCTGTACTGTCCTCCAGCAGTACTTCCAGAACGGG  
 GAGAAAAAGACGGTGGAAGATGTGATATGGACCGAGAGGATGGAGAGAAAACAGATGGAGAAGGAAGAGC  
 TCGACGTGTCCGTGAGAGAAGAGGAAGTATCTTGCAGTGGTCTCTGTCCCAAAAACAAGCGGAATTTTT  
 TCTCTCTCAGCAGGCCGCTTTGTTGAAGAATGATGAGACTAAAGCCCTCACCCAGCTTCTTGCAGAAG  
 GAATTGAACAACCTGTTGAAGTTAATCCTGATTTTGTGAAGCTCATTACCTCAGTACTTAAACAACC  
 TCCGTGTTCAAGATGTTTTGAGTCAACACACAGCCTCCTGCATTATTTTACCCTGATTCTCACTGG  
 AGCGGAGGGCAAAAGTAATGGGGAAGAGGGTTATGGCCGAGCCTGAGATACGCTGCTCAACCTGGCT  
 GCCCTGCACTGCCGCTTCGGTCACTATCAACAGGCAGAGCTCGCCCTGCAGGAGGCAATTAGGATTGCC  
 AGGAGTCCAACGATCACGTGTGTCTGCAGCACTGTTTGGCTGGCTTTATGTGCTGGGCGAGAAGAGAGC  
 CGATAGCTATGTTCTGTGGAGCACTCTGTGAAGAAAAGCAGTACATTTTGGGTTACCGAGAGCTTTTGT  
 GGAAGACGGCCAACAACTGATGGATGCCCTAAAGGACTCTGACCTCCTGCACTGGAAACACAGCCTGT  
 CAGAACTATCGATATCAGCATTGCACAGAAAACGGCCATCTGGAGGCTGTACGGCCGAGCACCATGGC  
 ACTGCAACAAGCCAGATGTTGCTGAGCATGAACAGCCTGGAGTCGCTGAATGCGGGTGTACAGCAGAAC  
 AATACTGAGTCCTTTGGCGTCGCTCTCTGCCATCTTGCAGACTCCATGCAGAACAGGGCTGTTTTGCGG  
 CTGCTGGTGAAGTATTAAGCACTTGAAGGACCGATTTCCACCCAACAGTCAGCAGCCAGTTATGGAT  
 GCTGTGTGATCAAAAATACAGTTTGCAGAGCAATGAATGATGGCAAATTCATTTGGCTGATTCACTT  
 GTTACAGGAATCACAGCGCTTAATGGCATAGAAGTGTATACAGGAAAGCAGTCGTAAGTGCAGGCTCAGA  
 ACCAAATGACAGAGGCACACAAGCTACTGCAGAAGTTGCTGACGTAAGTGCAGAAAGTAAAGAACACAGA  
 AATGGTCATCAGCGTCTCCTATCGGTGGCAGAGCTGTACTGGCGATCTTCTGCCCCGACCATTGCCATG  
 CCTGTGCTCCTGGAAGCTCTGGCCCTCTCAAAGAATACCGATTGCAGTACTTGGCTCCGAAACTGTGC  
 TCAACTTGGCTTATGCCAGCTCATCCTTGAATCCCAGAACAGGCCTTAAACCCTTCTCCACATGGCTAT  
 CGAGCCATCCTAGCTGACGGGGCTATCCTGGACAAAGGTCGTGCCATGTTCTTAGTGTCCAAGTGCCAA  
 GTGGCTTTCGGCAGCGTCTATGACCCAGTGAAGAAAGCGGAAGCTCTGGAAGCGGCGTTAGAACCCTCA  
 GTGAAGCCAAGAATACTTTGCACAAGTCGACTGCAGAGAGCGCATCAGGGATGTTGCTTACTTCCAGGC  
 CAGGCTGTACCACGCTCTTGGCAAGACCCAGGAGAGGAACCATTGTGCCATGATCTTCCGGCAGCTGCAC  
 CAGGAGTTGCCCGCCATGGGGTGCCTTGATTAACCACCTCTAGCCAGGACTCCCTGCTTATGGTGTG  
 CATTTAGGGTGGGTCATTACATGCTATCTCGTCAATAAACTGTTCTGATCAGTTAAAAAAAAAAAAAAAAA AAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_001042491

**Insert Size:** 2184 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:** [BC046566](#), [AAH46566](#)

**RefSeq Size:** 2462 bp

**RefSeq ORF:** 2184 bp

**Locus ID:** 59008

**UniProt ID:** [Q8BTZ4](#)

**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]  
Transcript Variant: This variant (2) uses an alternate in-frame splice site, compared to variant 1. The encoded isoform (b) is shorter than isoform a.