

## Product datasheet for **MC228761**

### Anapc5 (NM\_001289517) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Anapc5 (NM_001289517) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Anapc5
Synonyms:	2510006G12Rik; AA408751; AA536819; AA986414; Anpc5; APC5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC228761 representing NM\_001289517  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATGACCAACGGGGTAGTGCACGCCAACTTGTGGTCAAGGACTGGGTGACGCCCTATAAGATCG  
 CCGTCCTGGTGTCTCAACGAGATGGGCCGACGGGCGAGGGCCCGTACGCTCGTGGAGCGCGGAA  
 GCTCAACCAGCTGCTCCTGCCCTGCTGCAGGGCCAGATATTACTGTCAAAGCTGTACAAGCTAATT  
 GAAGAATCGTGTCTCAGCTGGCAAATTCAGTGCAGATCAGAATCAAGCTCATGGCTGAAGGCGAACTGA  
 AGGATATGGAACAATTTTTGATGACCTTTAGATTCTTTTTCTGGAAGTGAACCAGAGGTTACAAAAAC  
 GAGTGTAGTAGGCTGTTCTGCGCCACATGATCTTGGCTACAGTAAGCTTTCTTTAGTCAAGTGT  
 AAGCTGTACTGCCCTCCAGCAGTACTCCAGAACGGGAGAAAAGACGGTGAAGATGCTGATATGG  
 ACCGAGAGGATGGAGAGAAACAGATGGAGAAGGAAGAGCTCGACGTGTCGGTGAAGAGGAAGTATC  
 TTGCAGTGGTCTGTCCAAAAACAAGCGGAATTTTTCTCTCTCAGCAGGCCGCTTTGTTGAAGAAT  
 GATGAGACTAAAGCCCTACCCAGCTTCTTGCAGAAGGAATTGAACAACCTGTTGAAATTTAATCCTG  
 ATTTTGTGAAGCTCATTACCTCAGTACTTAAACAACCTCCGTGTTCAAGATGTTTTAGCTCAACACA  
 CAGCCTCTGCATTATTTGACCGCTGATTCTCACTGGAGCGGAGGGCAAAAGTAAATGGGGAAGAGGGT  
 TATGGCCGGAGCCTGAGATACGCTGCTCTCAACCTGGCTGCCCTGCACTGCCGCTTCGGTCACTAACA  
 AGGCAGAGCTCGCCCTGCAGGAGGCAATTAGGATTGCCAGGAGTCCAACGATCAGTGTGTCTGCAGCA  
 CTGTTTGAAGTGGCTTTATGTCTGGGGCAGAAGAGAGCCGATAGCTATGTTCTGCTGGAGCACTGTG  
 AAGAAAGCAGTACATTTGGGTTACCGAGAGCTTTTGTGGGAAGACGGCCAACAACTGATGGATGCCC  
 TAAAGGACTCTGACCTCCTGCCTGGAACACAGCCTGTGAGAATTCGATATCAGCATGCACAGAA  
 AACGGCCATCTGGAGGCTGTACGGCCGACGACCATGGCACTGCAACAAGCCAGATGTTGCTGAGCATG  
 AACAGCCTGGAGTCGCTGAATGCGGGTGTGACGAGAACAATACTGAGTCCTTTGCCGTCGCTCTGCCC  
 ATCTTGCAGAGCTCCATGCAGAACAGGGCTGTTTTGCGGCTGCTGGTGAAGTATTAAGCACTTGAAGGA  
 CCGATTTCCACCAACAGTCAAGCAGCCAGTTATGGATGCTGTGTGATCAAAAAATACAGTTTGCAGAG  
 GCAATGAATGATGGCAAATTCATTTGGCTGATCACTTGTACAGGAATCACAGCGCTTAATGGCATAG  
 AAGGTGTATACAGGAAAGCAGTCGACTGCAGGCTCAGAACCAATGACAGAGGCACACAAGCTACTACA  
 GAAGTTGCTGACGACTGTGAGAAGCTAAAGAACACAGAAATGGTCATCAGTGTCTCCTATCGGTGGCA  
 GAGCTGTACTGGGATCTTCGTCCCGACCATCGCCATGCTGTGCTCCTGGAAGCTCTGGCCCTCTCCA  
 AAGAATACCGATTGCAGTACTTGGCCTCCGAAACTGTGCTCAACTGGCTTATGCCAGGCTTAACCCCT  
 TCTCCACATGGCTATCGAGCCATCCTAGCCGACGGGGTGTCTTGGACAAGGTCGTGCCATGTTCTTA  
 GTGTCCAAGTGCCAAGTGGCTTCGGCAGCGTCTATGACCCAGTGAAGAAAGCGGAAGCTCTGGAAGCTG  
 CCATTCAGAACCTCAGTGAAGCCAAGAATACTTTGCACAAGTCGACTGCAGAGAGCGCATCAGGGATGT  
 TGCTTACTTCCAGGCCAGGCTGTACCACGCTCTTGGAAGACCCAGGAGAGGAACCATTTGTCATGATC  
 TTCCGGCAGCTGCACCAGGAGTTGCCGCCCATGGGGTGCCTTGATTAACCACCT**CTAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001289517  
**Insert Size:** 2160 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).

<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001289517.1</a></u> , <u><a href="#">NP_001276446.1</a></u>
<b>RefSeq Size:</b>	2727 bp
<b>RefSeq ORF:</b>	2160 bp
<b>Locus ID:</b>	59008
<b>Cytogenetics:</b>	5 F
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (3) uses two alternate in-frame splices sites, compared to variant 1. The encoded isoform (c) is shorter than isoform a.</p>