

## Product datasheet for **MC222014**

### Anapc2 (NM\_175300) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Anapc2 (NM_175300) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Anapc2
Synonyms:	9230107K09Rik; AL024279; AP; Apc2; Emi; Emi4; Im; Imi4; mKIAA1406
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC222014 representing NM\_175300  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGCCGAGGGTGTGGCGGTGGCGGGCGCGCGGGCGGGCGGGCGGGCGGACAATTATTCCT  
 CCGATGACTGCGACTCTAGGCCTGGACAGGAGCTCTGGTTGCCTGGAATACTGTGAGCACCGGTCTGGT  
 GCCGCCGGCCGCGCTGGGGCTGGCGTCTTCCCGACCAGCGGTGCACTCCACCAAGGAGGAAGAGCTT  
 CGTGCAGCGGTGGAGTTCTGAGGGGACACGGTCTGCACTCTGTCTGGAGGAGTGGTTCGTGGAAGTGC  
 TGCAGAACGACCTTCAAGGCAATATTGCCACGGAGTTCTGGAATGCCATCGCTCTGCGAGAAAACCTGT  
 CGATGAGCCCCAGTGCCTTGGGCTGCTCCTGGATGCGTTCGGTCTGCTGGAAAGCCGCTTGGATCCCTAT  
 CTGCATAGCCTAGAACTCCTAGAGAAATGGACTCGTCTGGGCTTGGTATGGGCGCTGGAGCTCAGGGGC  
 TTCGGGAGAAAGTTCACACTATGTTGCGGGGAGTCTGTTTTTCCACCCTAGGACATCCAGGAGAT  
 GGTCCAGCGCCTCTATGGTCTGTTCTTGGAGTCTATATGCAGAGCAAGAGAAAAGGAGAAGGGGGCACA  
 GACCCGGAAGTACAGGGTGGAGTATAGATAGCCGGTATGCCCGCCGAGGACTACCGACTTTTGCAGAGTC  
 CTCTGTGCGCAGGATGTGGCAGTGACAAGCAGCAGTGGTGGCGGCAGGCACTGGAGCAGTTCACCA  
 GCTGAGCCAGGTCTGCATAGGCTCAGTCTGCTGGAGCGGGTTTGTGCTGAGGCCGTGACAACCACCTG  
 CATCAGGTGACCCGGAAAGGATGGAAGACCGCTGCCGAGGAGATGAGCGCTCTTTTTGCGTGAGT  
 TTCACAAGTGGATAGAGAGAGTGGTTGGTTGGCTTGGCAAAGTGTTCCTCAGGACAACCCACAGACC  
 AACTTCTCAGAAGCTGGGAACACACTGCGTCTGGCGCTGCCACGTACAGAGATCTTCTACCGTATC  
 TATGCCACCCTACGCATCGAGGAGCTTTTCCAGCATCCGAGACTTTCCAGACTCCCGCCAGCCATTG  
 AAGACCTTAAGTACTGCTTGGAGAGGACAGATCAGAGGCAGCAACTTCTGTGTCCTCAAGTGGCCCT  
 AGAGACTCGACTCTCCACCAGGTGTCAACACATGTGACATCACTCTACATTTCTGCCATCAAG  
 GCATTACGTGTGCTAGATCCCTCTATGGTCATCCTGGAAGTGGCTTGTGAGCCATCCGTCGATACTGA  
 GGACACGAGAGGACACCGTACGGCAGATTGTGGCTGGGCTAACCGGGGACTCAGATGGGACTGGGACTT  
 GGCTGTTGAGCTGTCTAAGACTGACCCTGCCTGCCTGGAGACCGGTGAGGACAGTGGATGATTCTGGA  
 GAGCCCGAGGACTGGTCCCTGACCCTGTGGATGCTGATCCAGTGAAGTCGAGTTCGAAGCAGCTTCTT  
 CAGACATCATCAGCCTGCTGGTCAAGTCTATGGCAGCAAAGACCTCTTATCAATGAGTACCGCTCGCT  
 ACTTGCAGATCGCTTCTCCACCAATTCAGCTTACGCCCTGAGAGGGAGATTCGTAATGTGGAGCTGTTG  
 AAGCTGCGCTTTGGTGAAGCCCATGCACTTCTGTGAGGTGATGCTCAAGGACATGGCAGACTCCCGCC  
 GCATCAATGCCAATATCCGAGAGGAGGATGAGAAGCGGCCTGTGGAAGAAGCCACCATTGGGGTCTA  
 TGCTGTCAATTTGTCAGTGAATTTGGCCTCCCTTCAAAGATGAGAAGCTGGAGGTCCCTGAGGACATC  
 AGGGCAGCCCTAGACGTTTACTGCAAGAAGTATGAGAACTGAAGGCTATGCCGACACTAGTTGGAAGC  
 ACACCCTGGGCTGGTGACAATGGATGTGGAGCTTGTGACCCGACCCCTGTCTGTTGCGGTGACCCAGT  
 ACAGGCAGTGGTCTTGTGATTTCCAGAACCAAGCCAGCTGGACCCTGGAGGAACTGAGCAAGTGGTG  
 AAGATGCCTGTGGCACTGCTTGAAGACGCATGTCAAGTGGCTGCAACAGGGTGTGCTGCGGGAGGAAC  
 TCCAGGCACTTCTCTGTCATTGAGGAAGAGCGCCCTCAGGATAGGGACAACATGGTGTGATTGACAG  
 TGATGATGAGAGTGACTCAGGCATGGCCTCCAGGCTGACCAGAAGGAAGAGGAGCTACTGCTCTTCTGG  
 GCATACATCCAGGCCATGTTAACCAACCTAGAGAGCCTCTCTCTGGAGCGTATCTACAGCATGCTCCGGA  
 TGTTTGAATGACTGGCCTGCGTGGCTGAGATTGACCTGCAGGAGCTGCAGGGCTACTTGCAGAGAA  
 GGTCCGAGACCAGCAGCTCATCTATTCTGCAGGTGTCTACCGCCTGCCTAAGAATCCAAC**TGA**

**ACGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_175300  
**Insert Size:** 2514 bp

<b>OTI Disclaimer:</b>	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>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>	<a href="#">NM_175300.4</a> , <a href="#">NP_780509.2</a>
<b>RefSeq Size:</b>	3021 bp
<b>RefSeq ORF:</b>	2514 bp
<b>Locus ID:</b>	99152
<b>UniProt ID:</b>	<a href="#">Q8BZQ7</a>
<b>Cytogenetics:</b>	2 A3
<b>Gene Summary:</b>	This gene encodes a component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated ubiquitin ligase that controls progression through mitosis and the G1 phase of the cell cycle by ubiquitinating its specific substrates, such as mitotic cyclins and anaphase inhibitor, for subsequent degradation by the proteasome. [provided by RefSeq, Oct 2009]