

Product datasheet for **MR231016**

Anapc5 (NM_001289518) Mouse Tagged ORF Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Anapc5 (NM_001289518) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| 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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ORF Nucleotide
Sequence:

>MR231016 representing NM_001289518
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATGACCAACGGGGTAGTGCACGCCAACTTGTGGTCAAGGACTGGGTGACGCCCTATAAGATCG
CCGTCTGGTGCTGCTCAACGAGATGGGCCGACGGGCGAGGGCCCGTACGCCCTCGTGGAGCGCGGAA
GCTCAACCAGCTGCTCCTGCCCTGCTGCAGGGCCAGATATTACACTGTCAAAGCTGTACAAGCTAATT
GAAGAATCGTGTCTCAGCTGGCAAATTCAGTGCAGATCAGAATCAAGCTCATGGCTGAAGGCGAACTGA
AGGATATGGAACAATTTTTGATGACCTTTAGATTCTTTTTCTGGAAGTGAACCAGAGGTTACAAAAAC
GAGTGTAGTAGGCTGTTCTGCGCCACATGATCTTGGCCTACAGTAAGCTTTCTTTTCAGTCAAGTGT
AAGCTGTACACTGCCCTCCAGCAGTACTCCAGAACGGGGAGAAAAGACGGTGAAGATGCTGATATGG
ACCGAGAGGATGGAGAGAAACAGATGGAGAAGGAAGAGCTCGACGTGTCGGTGAAGAGGAAGTATC
TTGCAGTGGTCTCTGTCCAAAAACAAGCGGAATTTTTCTCTCTCAGCAGGCCGCTTTGTTGAAGAAT
GATGAGACTAAAGCCCTACCCAGCTTCTTGCAGAAGGAATTGAACAACCTGTTGAAATTTAATCCTG
ATTTTGCTGAAGCTCATTACCTCAGTACTTAAACAACCTCCGTGTTCAAGATGTTTTGAGCTCAACACA
CAGCCTCTGCATTATTTGACCGCTGATTCTCACTGGAGCGGAGGGCAAAAGTAAATGGGGAAGAGGGT
TATGGCCGGAGCCTGAGATACGCTGCTCTCAACCTGGCTGCCCTGCAGTCCGCTTCGGTCACTATCAAC
AGGCAGAGCTCGCCCTGCAGGAGCAATTAGGATTGCCAGGAGTCCAACGATCAGTGTGTCTGCAGCA
CTGTTTGAGCTGGCTTTATGTGCTGGGGCAGAAGAGAGCCGATAGCTATGTTCTGCTGGAGCACTGTG
AAGAAAGCAGTACATTTGGGTTACCGTACCTCGCTCCCTGGGAATACAGTCCCTGTTCAACAGAGAG
CTTTTGTGGGAAGACGGCCAAACAACTGATGGATGCCCTAAAGGACTCTGACCTCTGACTGGAACAA
CAGCCTGTGAGAACTTATCGATATCAGCATTGCACAGAAAACGGCCATCTGGAGGCTGTACGGCCGAGC
ACCATGGCACTGCAACAAGCCAGATGTTGCTGAGCATGAACAGCCTGGAGTCGATGCGGGTGTGC
AGCAGAACAATACTGAGTCTTTGCCGTCGCTCTCTGCCATCTTGACAGGCTCCATGCAGAACAGGGCTG
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TTATGGATGCTGTGTGATCAAAAAATACAGTTTGACAGAGCAATGAATGATGGCAAATCCATTTGGCTG
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GGCTCAGAACCAATGACAGAGGCACACAAGCTACTACAGAAGTTGCTGACGTAAGTGTGAGGCTAAAG
AACACAGAAATGGTCATCAGTGTCTCCTATCGGTGGCAGAGCTGTACTGGCGATCTTCGTCCCGACCA
TCGCCATGCCTGTCTCCTGGAAGCTCTGGCCCTCTCAAAGAATACCGATTGCAGTACTTGGCCTCCGA
AACTGTGCTCAACTTGGCTTATGCCAGGCCTAACCTTCTCCACATGGCTATCGAGCCATCCTAGCC
GACGGGGCTGTCTGGACAAAGGTGCTGCCATGTTCTTAGTGTCCAAGTGCCAAGTGGCTTCGGCAGCGT
CCTATGACCCAGTGAAGAAAGCGGAAGCTCTGGAAGCTGCCATTGAGAACCTCAGTGAAGCCAAGAACTA
CTTTGCACAAGTCGACTGCAGAGAGCGCATCAGGGATGTTGCTTACTTCCAGGCCAGGCTGTACCACGCT
CTTGGCAAGACCCAGGAGAGGAACCATTTGCCATGATCTCCGGCAGCTGCACCAGGAGTTGCCCGCC
ATGGGGTGCCTTGATTAACCACCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR231016 representing NM_001289518
 Red=Cloning site Green=Tags(s)

MMTNGVVHANLFGIKDWVTPYKIAVLVLLNEMGRTEGEGAVSLVERRKLNQLLLPLLQGPDITLSKLYKLI
 EESCPQLANSVQIRIKLMAEGELKDMEQFFDDLSDSFSGTEPEVHKT SVVGLFLRHMILAYSKLSFSQVF
 KLYTALQQYFQNGEKKTVEDADMEDREGEKQMEKEELDVSVEEEVSCSGPLSQKQAEFFLSQQAALLKN
 DETKALTPASLQKELNNLLKFNPDFAEAHYLSYLNLRVQDVFSSHTSLLHYFDRLILTGAEGKSNQEEG
 YGRSLRYAALNLAALHCRFGHYQQAELALQEAIRIAQESNDHVCLQHCLSWLYVLGQKRADSYVLEHSV
 KKAVHFGLPYLASLGIQSLVQQRAFAGKTANKLMDALKDSDLLHWKHSLSLIDISIAQKTAIWRLYGRS
 TMALQQQMLLSMNSLESLNAGVQQNNTESFAVALCHLAELHAEQGCFAAAGEVLKHLKDRFPNSQHAQ
 LWMLCDQKIQFDRAMNDGKFLADSLVTGITALNGIEGVYRKAVVLQAQNMTEAHKLLQKLLTYCQKLLK
 NTEMVISVLLSVAELYWRSSPTIAMPVLLALALSKYRLQYLASETVLNLAYAQUALLLHMAIEPILA
 DGAVLDKGRAMFLVSKCQVASAASYDPVKKAEALEAAIQNLSEAKNYFAQVDCRERIRDVAYFQARLYHA
 LGKTQERNHCAMIFRQLHQELPAHGVPLINHL

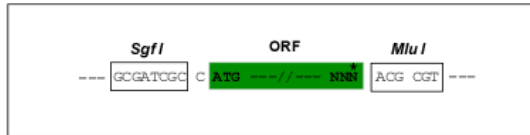
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

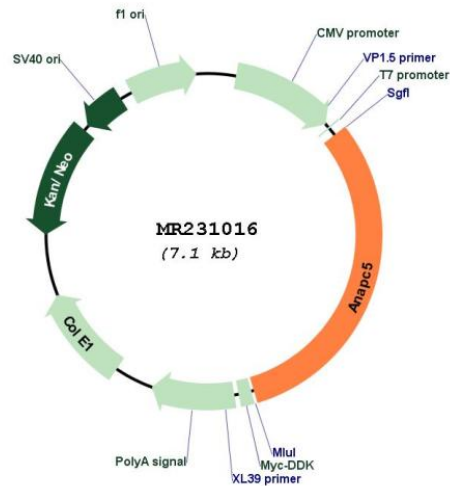
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001289518

ORF Size: 2196 bp

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:

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_001289518.1](#), [NP_001276447.1](#)

RefSeq Size: 2766 bp

RefSeq ORF: 2199 bp

Locus ID: 59008

Cytogenetics: 5 F

MW: 82.7 kDa

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]