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Product datasheet for RN207668

Anapc5 (NM_001080147) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anapc5 (NM_001080147) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Anapc5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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Fully Sequenced ORF:

>RN207668 representing NM_001080147
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATGACCAACGGGGTAGTGCACGCCAACTTGTTTGGCATCAAGGACTGGGTGACGCCCTATAAGATCG
CGGTCCTGGTGCTGCTGAACGAGATGGGCCGCACGGGAGAGGGTGCTGTCAGCCTTGTGGAGCGGCGGAA
GCTCAACCAGCTGCTCCTGCCCCTGCTGCAGGGCCCAGATATTACACTGTCAAAGCTGTACAAACTAATT
GAAGAATCGTGTCCTCAGCTGGCAAATTCAGTGCAGATCAGAATCAAACTGATGGCTGAAGGCGAATTGA
AGGATCTGGAACAATTTTTTGATGACCTTTCAGATTCTTTTTCTGGAACTGAACCAGAGGTTCACAAAAC
AAGTGTAGTAGGTCTGTTTCTGCGTCACATGATCTTGGCCTACAGCAAGCTTTCCTTCAGTCAAGTGTTC
AAGCTGTACACTGCCCTGCAGCAGTATTTCCAGAACGGGGAGAAAAAGACGGTGGAAGACGCTGACATGG
ACAGAGAGGATGGAGAGAGACAGATGGAGAAGGAGGAGCTCGACGTATCTGTCAGAGAAGAGGAGGTATC
TTGCAGTGGTCCTCTGTCCCAAAAACAAGCAGAATTTTTTCTTTCTCAGCAGGCTGCTTTGTTGAAGAAT
GACGAGACTAAAGCCCTCACCCCAGCCTCCTTGCAGAAGGAGTTGAACAACCTGTTGAAATTTAATCCTG
ATTTTGCTGAAGCTCATTACCTCAGCTACTTAAACAACCTCCGTGTTCAAGATGTTTTCAGCTCAACGCA
CAGCCTCCTTCATTATTTTGACCGCCTGATTCTCACTGGAGCAGAGGGCAAAAGTAATGGGGAAGAAGGT
TATGGCCGGAGCCTAAGATACGCCGCTCTCAACCTGGCTGCCCTGCACTGCCGCTTCGGCCACTATCAAC
AGGCAGAGCTCGCCCTGCAGGAGGCAATTAGGATTGCCCAGGAGTCCAACGATCACGTGTGTCTGCAGCA
CTGTTTGAGCTGGCTTTATGTGCTGGGGCAGAAGAGAGCCGATAGCTATGTTCTGCTGGAGCATTCTGTG
AAGAAAGCAGTGCATTTTGGGTTACCGAGAGCTTTTGCTGGGAAGACGGCCAACAAACTGATGGATGCCC
TAAAGGACTCTGACCTCCTGCACTGGAAACACAGCTTGTCAGAACTTATCGACATCAGCATCGCACAGAA
AACGGCCATCTGGAGGCTGTACGGCCGCAGCACCATGGCACTGCAGCAAGCCCAGATGCTGCTGAGCATG
AACAGCCTGGAGTCACTGAGTGCAGGTGTGCAACAGAACAACACCGAGTCCTTTGCCGTCGCTCTCTGCC
ATCTTGCAGAGCTGCATGCAGAACAGGGCTGTTTCGCTGCTGCCGGGGAAGTACTGAAGCACTTGAAGGA
ACGGTTCCCACCCAACAGTCAGCACGCCCAGTTATGGATGCTGTGTGATCAAAAAATACAGTTTGACAGA
GCAATGAATGATGGTAAATTCCATTTGGCTGACTCGCTTGTTACAGGAATCACAGCACTTAATGGCATAG
AAGGAGTATACAGAAAAGCAGTGGTGCTGCAAGCTCAAAACCAGATGACAGAGGCACACAAGCTTTTGCA
GAAGTTGCTGACATACTGTCAGAAGTTGAAGAACACAGAGATGGTCATCAGCGTCCTCCTGTCGGTGGCA
GAGCTGTACTGGCGATCTTCCTCCCCGACCATCGCAATGCCTGTGCTCCTGGAAGCTCTGGCCCTCTCCA
AAGAATACCGGTTACAGTACTTGGCCTCTGAAACTGTGCTCAACTTGGCTTATGCCCAGCTCATCCTGGG
GATCCCAGAACAGGCCTTAACCCTTCTCCACATGGCTATTGAGCCCATCCTGGCCGATGGGGCCATCCTG
GACAAAGGCCGTGCCATGTTCTTAGTGTCCAAGTGCCAAGTGGCTTCAGCAGCTTCCTATGACCCAGTGA
AGAAAGCAGAAGCTCTGGAAGCAGCCATTCAGAACCTCACTGAAGCCAAGAACTACTTTGCAAAAGTCGA
CTGTAGAGAGCGCATCAGGGATGTGTCGTACTTCCAGGCCAGGCTGTACCACGCCCTCGGCAAGACCCAG
GAGAGGAACCACTGTGCCATGGTCTTCCGGCAGCTGCACCAGGAGCTGCCTTCCCATGGGGTGCCCCTGA
TTAACCATCTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001080147

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:	NM_001080147.1, NP_001073616.1
RefSeq Size:	2384 bp
RefSeq ORF:	2184 bp
Locus ID:	288671
UniProt ID:	A1L1K3
Cytogenetics:	12q16
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]