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Product datasheet for MC228593

Anapc5 (NM_001289519) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anapc5 (NM_001289519) 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:

>MC228593 representing NM_001289519
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATGACCAACGGGGTAGTGCACGCCAACTTGTTTGGCATCAAGGACTGGGTGACGCCCTATAAGATCG
CCGTCCTGGTGCTGCTCAACGAGATGGGCCGCACGGGCGAGGGCGCCGTCAGCCTCGTGGAGCGGCGGAA
GCTCAACCAGCTGCTCCTGCCCCTGCTGCAGGGCCCAGATATTACACTGTCAAAGCTGTACAAGCTAATT
GAAGAATCGTGTCCTCAGCTGGCAAATTCAGTGCAGATCAGAATCAAGCTCATGGCTGAAGGCGAACTGA
AGGATATGGAACAATTTTTTGATGACCTTTCAGATTCTTTTTCTGGAACTGAACCAGAGGTTCACAAAAC
GAGTGTAGTAGGTCTGTTCCTGCGCCACATGATCTTGGCCTACAGTAAGCTTTCTTTCAGTCAAGTGTTT
AAGCTGTACACTGCCCTCCAGCAGTACTTCCAGAACGGGGAGAAAAAGACGGTGGAAGATGCTGATATGG
ACCGAGAGGATGGAGAGAAACAGATGGAGAAGGAAGAGCTCGACGTGTCCGTGAGAGAAGAGGAAGTATC
TTGCAGTGGTCCTCTGTCCCAAAAACAAGCGGAATTTTTTCTCTCTCAGCAGGCCGCTTTGTTGAAGAAT
GATGAGACTAAAGCCCTCACCCCAGCTTCCTTGCAGAAGGAATTGAACAACCTGTTGAAATTTAATCCTG
ATTTTGCTGAAGCTCATTACCTCAGCTACTTAAACAACCTCCGTGTTCAAGATGTTTTCAGCTCAACACA
CAGCCTCCTGCATTATTTTGACCGCCTGATTCTCACTGGAGCGGAGGGCAAAAGTAATGGGGAAGAGGGT
TATGGCCGGAGCCTGAGATACGCTGCTCTCAACCTGGCTGCCCTGCACTGCCGCTTCGGTCACTATCAAC
AGGCAGAGCTCGCCCTGCAGGAGGCAATTAGGATTGCCCAGGAGTCCAACGATCACGTGTGTCTGCAGCA
CTGTTTGAGCTGGCTTTATGTGCTGGGGCAGAAGAGAGCCGATAGCTATGTTCTGCTGGAGCACTCTGTG
AAGAAAGCAGTACATTTTGGGTTACCGTACCTCGCCTCCCTGGGAATACAGTCCCTTGTTCAACAGAGAG
CTTTTGCTGGGAAGACGGCCAACAAACTGATGGATGCCCTAAAGGACTCTGACCTCCTGCACTGGAAACA
CAGCCTGTCAGAACTTATCGATATCAGCATTGCACAGAAAACGGCCATCTGGAGGCTGTACGGCCGCAGC
ACCATGGCACTGCAACAAGCCCAGATGTTGCTGAGCATGAACAGCCTGGAGTCGCTGAATGCGGGTGTGC
AGCAGAACAATACTGAGTCCTTTGCCGTCGCTCTCTGCCATCTTGCAGAGCTCCATGCAGAACAGGGCTG
TTTTGCGGCTGCTGGTGAAGTATTAAAGCACTTGAAGGACCGATTTCCACCCAACAGTCAGCACGCCCAG
TTATGGATGCTGTGTGATCAAAAAATACAGTTTGACAGAGCAATGAATGATGGCAAATTCCATTTGGCTG
ATTCACTTGTTACAGGAATCACAGCGCTTAATGGCATAGAAGGTGTATACAGGAAAGCAGTCGTACTGCA
GGCTCAGAACCAAATGACAGAGGCACACAAGCTACTACAGAAGTTGCTGACGTACTGTCAGAAGCTAAAG
AACACAGAAATGGTCATCAGAGCTGTACTGGCGATCTTCGTCCCCGACCATCGCCATGCCTGTGCTCCTG
GAAGCTCTGGCCCTCTCCAAAGAATACCGATTGCAGTACTTGGCCTCCGAAACTGTGCTCAACTTGGCTT
ATGCCCAGCTCATCCTTGGAATCCCGGAACAGGCCTTAACCCTTCTCCACATGGCTATCGAGCCCATCCT
AGCCGACGGGGCTGTCCTGGACAAAGGTCGTGCCATGTTCTTAGTGTCCAAGTGCCAAGTGGCTTCGGCA
GCGTCCTATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001289519

Insert Size: 1971 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001289519.1, NP_001276448.1
RefSeq Size:	2770 bp
RefSeq ORF:	1971 bp
Locus ID:	59008
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 (5) uses an alternate splice site, which results in a frameshift, compared to variant 1. The encoded isoform (e) has a distinct C-terminus and is shorter than isoform a.