

Product datasheet for **RC227559**

Apc7 (ANAPC7) (NM_001137664) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apc7 (ANAPC7) (NM_001137664) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Apc7
Synonyms:	APC7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC227559 representing NM_001137664
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACCCGGCGACGCCCAATTTGGAGTCTTCCCTAAGGATCCTCTACCGGCTTTTCGAGTCAGTGC
 TGCCGCCGCTGCCGCGGCTTTGCAGAGCAGGATGAATGTGATAGACCAGTGCGGGACATGGCGGCCG
 GGGGCTGCACTCCAACGTGCGGCTCCTCAGCAGCTTGTACTTACAATGAGTAATAACAACCTGAGTTA
 TTCTCCCCACCTCAGAAGTACCAGCTTTTGGTGTATCATGCAGATTCTCTTTTCATGATAAGGAATATC
 GGAATGCTGTGAGTAAGTATACCATGGCTTTACAGCAGAAGAAAGCGCTAAGTAAAACCTCAAAGTGAG
 ACCTTCAACTGGAATTTGCATCTACTCCACAAAGTCAGTGTCTTCCATCTGAAATTGAAGTGAATAC
 AAAATGGTGAATGTTATACAATGCTAAAACAAGATAAAGATGCCATTGCTATACTTGTGGGATCCCTT
 CAAGACAAAGAACTCCAAAATAAACATGATGCTGGCAAACCTGTACAAGAAGGCTGGTCAGGAGCGCCC
 TTCAGTACCAGCTATAAGGAGGTGCTGAGGCAGTGCCATTAGCCCTTGTGCCATTCTAGGCTTGTG
 TCCTTTCTGTAAAAGGGGCAGAGGTGGCATCCATGACAATGAATGTGATCCAAACCGTGCCTAACCTGG
 ACTGGCTCTGTGTGGATCAAAGCGTATGCTTTTGTGCACACTGGTGACAACCTCAAGAGCAATCAGTAC
 CATCTGTTCACTAGAGAAAAATCCTTATTGCGAGATAACGTGGACCTATTGGGAAGCTTGGCAGATCTG
 TACTTCAGAGCTGGAGACAATAAAACTCTGTCCTCAAGTTTGAACAGGCACAGATGTTGGATCCTTATC
 TGATAAAAGGAATGGATGTATATGGCTACCTACTGGCACGAGAAGGGCGGCTAGAGGATGTTGAGAACCT
 TGGATGCCGCTTTTCAATATCTCTGATCAGCATGCAGAACCGTGGTGGTTTCTGGCTGCACAGCTTC
 TATAGCAAACGCTACTCCCGGCCCTCTATTTAGGAGCCAAGGCCATTAGCTGAACAGTAAATAGTGTTC
 AAGCTCTGCTACTTAAGGGAGCAGCACTTAGGAACATGGGCAGAGTCCAAGAAGCAATAATCCACTTTCG
 GGAGGCCATACGGCTCGCACCTTGTGCTTAGATTGTTATGAAGTCTTATCGAATGTTACTTAGCCTCC
 AACAGTATTGAGAAGCAATGGTAAATGGCTAACAACTTTACAAAACCTCTGGGAGCAATGCACAGACCC
 TTACCCTTTAGCCACCGTTTGTCTTGAAGACCCAGTGACACAGGAGAAAGCCAAAACATTATTAGATAA
 AGCCCTGACCCAAAGGCCAGATTACATTAAGGCTGTGGTGAAGAAAGCAGAACTACTTAGCAGAGAACAG
 AAATATGAAGATGGAATTGCTTTGCTGAGGAACGCACTGGCTAATCAGAGTACTGTGCTCTGCATCGGA
 TCCTAGGAGATTCCTTGTAGCTGTCAATGAGTATCAGGAGGCAATGGACCAGTATAGTATAGCACTAAG
 G

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

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 Red=Cloning site Green=Tags(s)

MDPGDAITLESSLRILYRLFESVLPPLPAALQSRMNVIDHVRDMAAAGLHSNVRLSSLLLTMSNNPEL
 FSPPQKYQLLVYHADSLFHDKEYRNAVSKYTMALQQKALSKTSKVRPSTGNSASTPQSQCLPSEIEVKY
 KMAECYTMLKQDKDAIILDGIPSRQTPKINMMLANLYKAGQERPSVTSYKEVLRQCPLALDAILGLL
 SLSVKGAEVASMTMNVITVFNLDWLSVWIKAYAFVHTGDNRAISTICSLEKKSLLRDNDVLLGSLADL
 YFRAGDNKNSVLKFEQAQMLDPYLKGMVDVYGYLLAREGRLDVENLGCRLFNISDQHAEPWVVSCHSF
 YSKRYSRALYLGAKAIQLNSNSVQALLKGAALRNMGVQEAIIHFREAIRLAPCRLDCEYGLIECYLAS
 NSIREAMVMANNVYKTLGANAQTLTLLATVCLDPVTQEAKTLLDKALTRPDYIKAVVKAELL SREQ
 KYEDGIALLRNLANQSDCVLHRILGDFLVAVNEYQEAMDQYSIALR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8066_b05.zip

Restriction Sites:

Sgfl-MluI

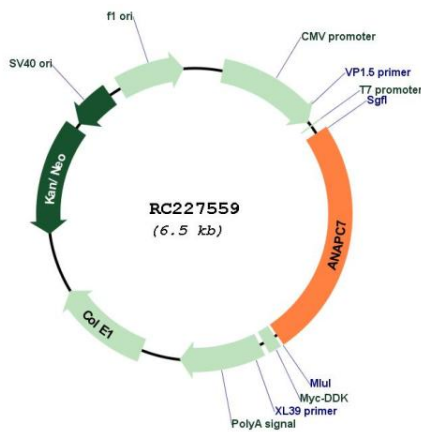
Protein Families: Druggable Genome

Protein Pathways: Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation, Ubiquitin mediated proteolysis

MW: 59.8 kDa

Gene Summary: This gene encodes a tetratricopeptide repeat containing component of the anaphase promoting complex/cyclosome (APC/C), a large E3 ubiquitin ligase that controls cell cycle progression by targeting a number of cell cycle regulators such as B-type cyclins for 26S proteasome-mediated degradation through ubiquitination. The encoded protein is required for proper protein ubiquitination function of APC/C and for the interaction of APC/C with certain transcription coactivators. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2008]

Product images:



Circular map for RC227559