

Product datasheet for **RR201044**

Anapc4 (NM_001107220) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Anapc4 (NM_001107220) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Anapc4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR201044 representing NM_001107220
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTGCGCTTTCCGACCTGTTCCCATCCTTTGGGTGGTGGGAGAGAAGCAACTGCCGAAGAGATTA
 TTTTCTTGGCCTGGTCACCCAAGCGAGACTCATTGCTTTGGCCAACACTACAGGCGAGTTTTACTGCA
 TCGCCTTGCAAGTTTTTCATCGCGTCTGGAGTTTTCCACCAAATGAAAGTACAGGAAAAAGTGCCTGC
 TTGGCCTGGAGACCAGATGGCAAACCTTTGGCCTTTGCTCTTGGCGATACCAAAAAATTTTTGTGTG
 ATGTAGAAAAGCCTGAAAGCTTACACTCTTTCTGTGGAGGCTCCGGTGTCTTGTATGCATTGGATGGA
 AGTGACGGTTGAAAGCAGTGTCTTAACATCATTTTATAACGCTGAGGATGAGTCCAATCTCTTTTGCCT
 AAGCTGCCACATTGCCAAAAATACAACAGCACCTCAAAAATATTTAGTGAAGAAAATCTGATGAAA
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 CATTTCGGCTCTCTTACAGTACATAAAATTTGTCGCTGACATGTATGTGTGAAGCGTGGGAAGAAATCCTG
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 TCATGCACTTACTGTTGTGGGGAAAGCCAGTGTGAACCTCAGACTCTCCTGATGAACCAAGTAAACAGT
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 AGAAATATGAACCTTAGGACTGGATGCTTCAAGCATTGAAGATGCTATTACTGCTGGGTTCTTTCAAT
 CCTTAAAGCAAAATGAACTTCTCCAAGTTATAGATAGTAGTATGAAAAACTTCAAGGCATTTTTTCGGTGG
 CTATATGTAGCAATGCTGAGAATGACAGAGGACCAGTGTCTTCTGAGCTGAACAAGATGACTCAGAAGG
 ATATCACATTTGTGCTGAATTCCTCACTGAACATTTCAATGAGGCTCCAGACCTTTATAATCGGAAAGG
 AAAATACTTCAATGTTGAAAGAGTTGGTCAGTATTTGAAAGATGAAGATGACGACCTTGTGCACCCCT
 AACACAGAAGGAAACCAGTGGTATGACTTCTCCAGAACAGCAACCACCTAAAAGAAAGTCTTTGCTGT
 TTCCTTACTACCCTCGAAAATCACTGCATTTTGTGAAAAGGCGAATGGAGAACATTATTGATCAGTGTTT
 GCAAAAGCCAGCAGATGTAATTGGAAGATCGATGAATCAAGCAATTTGCATTCCATTATATAAAGATGCT
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 GTCAGAAGAAGCACTTACAGTTGTCTGGATGCCAGTTTTATGATGACGAGACTGTCACAGTCATCCTTA
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 TAGTCATCAAAGTGGAGAACTTGACCCTGAGTTGGACTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR201044 representing NM_001107220
 Red=Cloning site Green=Tags(s)

MLRFPTCFPSFRVVGKQLPQEIIIFLAWSPKRDLIALANTTGEVLLHRLASFHRVVSFPPNESTGKEVTC
 LAWRPDGKLLAFALADTKKIILCDVEKPESLHSFSVEAPVSCMHWMEVTVESSLTTSFYNAEDESNNLLP
 KLPTLPKYNSTSKIFSEENSDEIIKLLGDVRLNILVLGGSSGFIELYAYGMFKIARVTGIAGTCIALCL
 SSDLKSLSVVTEVSSGGESEVSYFQLETNLLYSFLAEVTRMARKFTHISALLQYINLSLTCMCEAWEEIL
 MQMDSRLTKFVQEKTTTTSVQDEFMHLLLWGKASAEQLTLLMNQLTVKGLKKGQSIESSYSSIQKLVIS
 HLQSGSESLLYHLSELKGMASWKQKYEPLGLDASSIEDAITAVGSFILKANELLQVIDSSMKNFKAFFRW
 LYVAMLRMTEDHVLPELNKMTQKDI TFVAEFLTEHFNEAPDLYNRKGYFNVERVQYLKDEDDDLVSP
 NTEGNQWYDFLQNSNHLKESPLLPYYPRKSLHFVKRRMENIIDQCLQKPADVIGRSMNQAICIPLYKDA
 RSMDGARLLKFPFLWNNKTSNLHYLLFTILEDVYKMCILRRHTDSSQSVSNLIGIKFGSFTYATTDK
 VRRSTYSCLDAQFYDDETVTVILKDSMGREGRDRLVQLPLSLVYNSEDSDEYFETGTCSTRLDEQGSII
 PTRTMHFEEKHWLLESMAQYVAGNLRKVSVLSSNLRHVRVFEMDIDDEWELDESSDDDEEAAGKPKV
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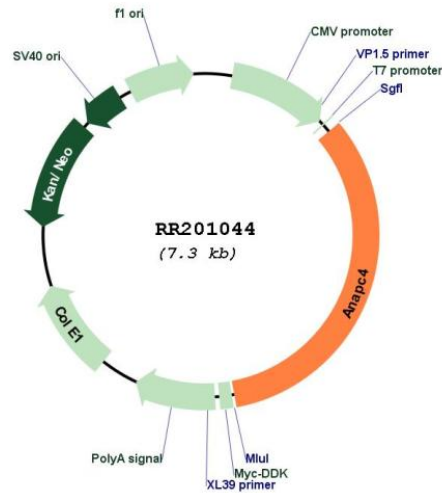
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001107220

ORF Size: 2421 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_001107220.1](#), [NP_001100690.1](#)

RefSeq Size: 3048 bp

RefSeq ORF: 2424 bp

Locus ID: 305420

Cytogenetics: 14q11

MW: 91.8 kDa