

Product datasheet for **SC326144**

Apc5 (ANAPC5) (NM_001137559) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apc5 (ANAPC5) (NM_001137559) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANAPC5
Synonyms:	APC5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



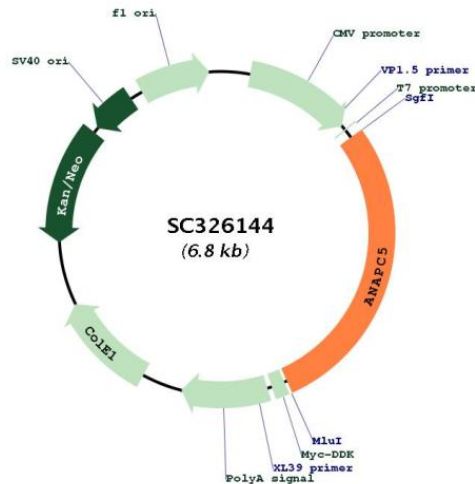
[View online »](#)

Fully Sequenced ORF: >SC326144 representing NM_001137559.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCTGAAGGCGAGTTGAAGGATATGGAACAGTTTTTTGATGACCTTTCAGATTCTTCTCTGAACT
GAACCAGAGTTTACAAAACAAGTGTAGTAGGTTTGTTCGCGTCACATGATCTTGGCCTACAGTAAG
CTTCTTTTCAGCCAAGTGTAAACTGTACACTGCCCTTCAGCAGTACTTCCAGAATGGTGAAGAAAAG
ACAGTGGAGGATGCTGATATGGAAGTACCAGTACAGATGAGGGTGAAGAAAATGAAAAAAGAAAGAA
CTTGATGTATCTGTAAGAGAAGAGGAGGTATCTTGCAGTGGCCCTCTGTCCAAAAACAAGCAGAATTT
TTTCTTCTCAACAGGCTCTTTGCTAAAGAATGATGAGACTAAGGCCCTCACTCCAGCTTCTTGCAG
AAGGAATTAACAATTTGTTGAAATTTAATCCTGATTTTGTGAAAGCATTATCTCAGCTACTTAAAC
AACCTCCGTGTCAGATGTTTTAGTTCAACACACAGTCTCCTCCATTATTTGATCGTCTGATTCTT
ACCGGAGCCGAAAGCAAAAGTAATGGGAAGAGGGCTATGGCCGAGCTTGAGTACGCCCTCTGAT
CTTGCCGCCCTGCACTGCCGCTTCGGTCACTATCAACAGGCAGAGCTCGCCCTGCAGGAGCAATTAGG
ATTGCCAGGAGTCCAACGATCAGTGTGTCTCCAGCACTGTTTGTGCTGGCTTTATGTGCTGGGGCAG
AAGAGATCCGATAGCTATGTTCTGCTGGAGCATTCTGTGAAGAAGGCAGTACATTTTGGTTACCGAGA
GCTTTTGTGGAAGACGGCAAAACAAGCTGATGGATGCCCTAAAGGACTCCGACCTCTGCACTGGAAA
CACAGCCTGTGAGAGTCAATGATATCAGCATCGACAGAAAACGGCCATCTGGAGGCTGTATGGCCGC
AGCACCATGGCACTGCAACAGGCCAGATGTTGCTGAGCATGAACAGCCTGGAGGCGGTGAATGCGGGC
GTGACAGACAACAACAGAGTCTTTGCTGTGCACTCTGCCACCTCGCAGAGCTACACGCGGAGCAG
GGCTGTTTTGCTGAGCTTCTGAAGTGTAAAGCACTTGAAGGAACGATTTCCGCCTAATAGTCAGCAC
GCCCAGTTATGGATGCTATGTGATCAAAAAATACAGTTTGACAGAGCAATGAATGATGGCAAATATCAT
TTGGCTGATTCATTGTTACAGGAATCACAGCTCTCAATAGCATAGAGGGTGTATAGGAAAGCGGTT
GTATTACAAGCTCAGAACCAAATGTCAGAGGCACATAAGCTTTTACAAAAATTGTTGGTTATTGTCAG
AAACTGAAGAACACAGAAATGGTATCAGTGTCTACTGTCCGTGGCAGAGCTGACTGGCGATCTTCC
TCCCTACCATCGCGCTGCCATGCTCCTGCAGGCTCTGGCCCTCTCAAGGAGTACCGGTTACAGTAC
TTGGCCTCTGAAACAGTGTGAACTTGGCTTTTGGCAGCTCATTCTTGAATCCAGAACAGGCCCTTA
AGTCTTCCACATGGCCATCGAGCCATCTTGGCTGACGGGGCTATCCTGGACAAGGTCGTGCCATG
TTCTTAGTGGCCAAGTGCAGGTGGCTTACAGCAGCTTCTACGATCAGCCGAAGAAAGCAGAAGCTCTG
GAGGCTGCCATCGAGAACCTCAATGAAGCAAGAACTATTTGCAAAGGTTGACTGCAAAGAGCGCATC
AGGGACGTCGTTTACTTCCAGGCCAGACTCTACCATACCTGGGGAAGACCCAGGAGAGGAACCGGTGT
CGGATGCTCTTCCGCGAGCTGCATCAGGAGCTGCCCTCTCATGGGGTACCCTTGATAAACCATCTCTAG
```

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001137559

Insert Size: 1932 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: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001137559.1](#)

RefSeq Size: 2364 bp

RefSeq ORF: 1932 bp

Locus ID: 51433

UniProt ID: [Q9UJX4](#)

Cytogenetics: 12q24.31

Protein Families:	Druggable Genome
Protein Pathways:	Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation, Ubiquitin mediated proteolysis
MW:	72.5 kDa
Gene Summary:	<p>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 the proper ubiquitination function of APC/C and for the interaction of APC/C with transcription coactivators. It also interacts with polyA binding protein and represses internal ribosome entry site-mediated translation. Multiple transcript variants encoding different isoforms have been found for this gene. These differences cause translation initiation at a downstream AUG and result in a shorter protein (isoform b), compared to isoform a. [provided by RefSeq, Nov 2008]</p> <p>Transcript Variant: This variant (2) contains a distinct 5' UTR and lacks an in-frame portion of the internal coding region, compared to variant 1. These differences cause translation initiation at a downstream AUG and result in a shorter isoform (b) compared to isoform a.</p>