

Product datasheet for **SC324311**

Apc2 (ANAPC2) (NM_013366) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apc2 (ANAPC2) (NM_013366) Human Untagged Clone
Tag:	Tag Free
Symbol:	Apc2
Synonyms:	APC2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_013366.3
 TGCAGATGGCGCGGCAGTTGTGGTGGCGGAGGGGGACAGCGACTCCCGGCCCGGACAGG
 AGTTGTTAGTGGCCTGGAACACCGTGAGCACCGGCCTGGTGCCGCGGCTGCGCTGGGGC
 TGGTGTCTCCCGGACCAGCGGTGACGTCCCGCAAAGGAAGAGGAGCTCCGGCGGCGG
 TGGAGGTTCTGAGGGGCCAGGGCTACACTCGGTCTGGAGGAGTGGTTCGTGGAGGTGC
 TGCAGAACGATCTGCAGGCCAACATCTCCCTGAGTTCTGGAATGCCATCTCCAATGCC
 AGAACTGCGGGATGAGCCCCAGTGCCTTTTGTACTCCTTGACGCTTTTGGCCTGCTGG
 AGAGCCGCTGGATCCCTACCTGCGTAGCCTAGAGCTGCTGGAGAAATGGACTCGCTGG
 GCTTGCTGATGGGCACTGGTGCTCAGGGGCTGCGAGAAGAAGTCCACACTATGTTGCGCG
 GAGTCTTGTTCTTTAGCACCCCCAGAACCTTCCAAGAGATGATCCAGCGTCTGTATGGGT
 GCTTCTTGAGAGTCTATATGCAGAGTAAGAGGAAGGGGAAGGGGGCACAGACCCGGAAC
 TGAAGGGGAGCTGGACAGCCGGTATGCCCGTCGCGGTAACCGGCTCCTGCAGAGCC
 CGCTGTGTGCAGGGTGCAGCAGTGACAAGCAACAGTGCTGGTGTGCCAGGCTCTGGAGC
 AGTTCCATCAGCTCAGCCAGGTCTTACACAGGCTCAGTCTGCTGGAGCGGGTCAAGTCCG
 AGGCTGTGACCACCCTGCACCAGGTGACCCGGGAGAGGATGGAGACCGTTGCCGGG
 GCGAGTACGAGCGCTCCTTCCTGCGTGAGTTCCACAAGTGGATCGAGCGGGTGGTGGCT
 GGCTCGGCAAGGTGTTCCCTGCAGGACGGCCCCGAGGCCCGCATCTCCCGAGGCCGGCA
 ACACCCTGCGCCGCTGGCGCTGCCACGTGCAAAGGTTCTTCTACCGCATCTACGCCAGCC
 TCGCATCGAGGAGCTCTTACAGCATCGTCCGAGACTTCCAGACTCCCGGCCAGCCATCG
 AGGACCTCAAGTACTGCCTGGAGAGGACGGACCAGAGGACAGCAGTGTCTCGTGTCCCTCA
 AGGCTGCCCTGGAGACTCGGCTCCTGCATCCAGGCGTCAACACGTGTGACATCATACCC
 TCTATATCTCTGCCATCAAGGCGCTGCGCGTGTGGACCCTTCCATGGTCACTCTGGAGG
 TGGCCTGTGAGCCTATCCGCCGTACCTGAGGACGCGGGAGGACACAGTGCAGGAGATTG
 TGGCTGGGCTGACGGGGACTCGGACGGGACAGGGGACCTGGCTGTTGAGCTGTCCAAGA
 CCGACCCGGCGAGCCTGGAGACAGGCCAGGACAGTGAGGATGACTCAGGCGAGCCAGAGG
 ACTGGGTCCCGGACCCTGTGGATGCCGATCCAGGGAAGTCGAGCTCCAAGCGGCTTCAT
 CGGACATCATCAGCCTGCTGGTCAAGTCTACGGCAGCAAGGACCTTTCATCAATGAGT
 ACCGCTCGCTGTGGCCGACCCTGCTGCACCAGTTCAGCTTACGCCCCGAGCGGGAGA
 TCCGCAACGTGGAGCTGTGAAGTGTGCTTTGGCGAGGCCCAATGCATTTCTGTGAAG
 TCATGTGAAGGACATGGCGGACTCCCGCCGATCAATGCCAACATCCGGGAGGAGGATG
 AGAAGCGGCCAGCAGAGGAGCAGCCACCCTCGGGGTCTACGCTGTCTCCTGTCCAGTG
 AGTTCTGGCCGCCCTTCAAGGACGAGAAGCTGGAGGTCCCGGAGGATATCAGGGCAGCC
 TGGAGGCTTACTGCAAGAAGTATGAGCAGCTCAAGGCCATGCGGACCCTCAGTTGGAAGC
 ACACCCTGGGCTGGTGACCATGGACGTGGAGCTGGCCGACCCGACGCTGTCTGTGGCGG
 TCACCCAGTACAGGCGGTGATCTTGCTGTATTTTCAAGACCAAGCCAGCTGGACCCTGG
 AGGAACTGAGCAAGGCGGTGAAGATGCCCGTGGCGCTGCTGCGGCGGCGGATGTCCGTGT
 GGCTGCAGCAGGGTGTGCTGCGTGAGGAGCCCCCGGCACCTTCTGTGATTGAGGAGG
 AGCGGCTCAGGACCGGGAACAATGGTGTCTATTGACAGTGACGACGAGAGCGACTCCG
 GCATGGCCTCCCAGGCCAGCAGAAGGAGGAGGAGTGTGCTCTTCTGGACGTACATCC
 AGGCCATGCTGACCAACCTGGAGAGCCTCTCACTGGATCGTATCTACAACATGCTCCGCA
 TGTTTGTGGTACTGGGCTGCACTGGCCGAGATTGACCTGCAGGAGCTGCAGGGTACC
 TGCAGAAGAAGGTGCGGGACCAGCAGCTCGTCTACTCGGCCGGCGTCTACCGCTGCCCA
 AGAACTGCAGCTGACACATCGCCCGCCCGCCCGCCCGCCAGGCGCTGCCCTGCAGG
 TGCTCTCGTCTCCCGTGCAGCCCCCGCCCGCCCGTGTCCAGAATGCACTGCTGAGGA
 GCATGCCACCCCAACCCCGCAGTGTGCAGATTAAGCAAGTCAGATCATCAAAAAA
 AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_013366

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:	<ol style="list-style-type: none">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_013366.3 , NP_037498.1
RefSeq Size:	2733 bp
RefSeq ORF:	2469 bp
Locus ID:	29882
UniProt ID:	Q9UJX6
Cytogenetics:	9q34.3
Domains:	CULLIN
Protein Families:	Druggable Genome
Protein Pathways:	Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation, Ubiquitin mediated proteolysis
Gene Summary:	A large protein complex, termed the anaphase-promoting complex (APC), or the cyclosome, promotes metaphase-anaphase transition by ubiquitinating its specific substrates such as mitotic cyclins and anaphase inhibitor, which are subsequently degraded by the 26S proteasome. Biochemical studies have shown that the vertebrate APC contains eight subunits. The composition of the APC is highly conserved in organisms from yeast to humans. The product of this gene is a component of the complex and shares sequence similarity with a recently identified family of proteins called cullins, which may also be involved in ubiquitin-mediated degradation. [provided by RefSeq, Jul 2008]