

Product datasheet for **SC337503**

Apc4 (ANAPC4) (NM_001286756) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Apc4 (ANAPC4) (NM_001286756) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANAPC4
Synonyms:	APC4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001286756, the custom clone sequence may differ by one or more nucleotides

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ATGTTGCGTTTTCCGACCTGTTCCCATCCTCCGGGTGGTGGGAGAGAAGCAGCTCCCGCAGGAGATTA
TTTTCTGGTCTGGTCGCCCAAGCGGGATCTCATTGCTTTGGCCAACACAGCTGGCGAGTTTTACTTCA
TCGACTGGCAAGTTTTTCATCGAGTTTGGAGTTTTCCACCAAATGAAAATACAGGAAAGGAGGTGACGTGT
CTGGCATGGAGACCAGATGGCAAACTTTTGGCCTTTGCTCTTGCTGATACCAAGAAAATGTTTTGTGTG
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AAACTACCTACACTGCCAAAAACTATAGCAACACCTCAAAAATATTTAGTGAAGAAAATCTGTAGAAA
TTATTAAGCTCTGGGAGACGTCAGGCTTAATATTCTCGTCTTGGAGGAAGCTCTGGATTTATTGAGCT
TTATGCTTATGGAATGTTAAAATTGCTCGAGTCACAGGGATTGCTGGTACTTGTCTTGCATTATGTTTA
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TTCAGCTTGAAACTAATCTGTTGACTCTTTCTTACCTGAAGTAACTCGGATGGCCAGAAAGTTTACTCA
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ATGCAGATGGATTCTCGTCTCACCAAGTTTGTGCAGGAAAAGAACAACCAACATCAGTGAAGATGAGT
TCATGCACTTGCTATTATGGGGGAAAGCAAGTGTGAACCTTACAGCTCTTGTATGAATCAGTTAACAGT
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TGTTTTCTTATTATCCTCGAAAATCATTGCATTTTGTGAAAAGGCGGATGGAGAATATTATTGATCAGTG
TTTGCAAAGCCAGCAGATGTAATTGGAATCGATGAATCAAGCAATCTGTATTCCATTGTATAGAGAT
ACCAGAAGTGAGGATTCTACACGTAGATTGTTCAAATTTCTTTTCTGTGGAATAATAAACTTCAAATC
TACATTATCTTCTTTTACTATTCTAGAAGATTCATTTATAAAATGTGCATCTTAAAGGAGACATACTGA
TATTTCTCAATCTGTGAGTAATGGACTAATTGCTATTAATTTGGGAGCTTTACATATGCCACAACAGAA
AAAGTCAGAAGAAGCATCTACAGTTGTTTATAGATGCACAGTTTTATGATGATGAAACTGTAACAGTAGTTC
TTAAAGACACTGTAGGACGTGAAGGAAGAGATAGACTCTTGGTCCAGCTGCCTTTGTCTTTAGTATATAA
CAGTGAAGATTCTGCAGAATATCAGTTCCTGACTGAGTATTCTACAAGGCTAGATGAACAGTGTAGTGCT
ATTCCCACCCGTACCATGCAATTTGAGAAGCACTGGAGATTACTGGAAAGTATGAAAGCAGCATGTTG
CTGGGAATGGTTTTCGAAAAGTGTCTGTGTGTTAAGCTCAAATCTTGTGATGTGAGAGTATTTGAAAT
GGACATAGATGATGAATGGGAGCTCGATGAGTCTTCCAGATGAAGAGGAGGAGGCCAGTAATAAGCCTGTA
AAAATAAAGGAAGAAGTGTGTCGGAGTCAGAGGCAGAGAACCAACAAGCTGGTGTGCCGCTTTAGCTC
CAGAGATAGTCATTAAGTGAAAAACTTGACCCTGAGCTAGACTCCTAA
    
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Restriction Sites: SgfI-MluI

ACCN: NM_001286756

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).

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:	<u>NM_001286756.1, NP_001273685.1</u>
RefSeq Size:	2704 bp
RefSeq ORF:	2430 bp
Locus ID:	29945
UniProt ID:	<u>Q9UJX5</u>
Cytogenetics:	4p15.2
Protein Families:	Druggable Genome
Protein Pathways:	Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation, Ubiquitin mediated proteolysis
Gene Summary:	<p>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 exact function of this gene product is not known. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2013]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>