

Product datasheet for **SC124646**

APC16 (ANAPC16) (NM_173473) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	APC16 (ANAPC16) (NM_173473) Human Untagged Clone
Tag:	Tag Free
Symbol:	APC16
Synonyms:	APC16; bA570G20.3; C10orf104; CENP-27; MSAG
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC124646 sequence for NM_173473 edited (data generated by NextGen Sequencing) ATGGCTGCTTCATCATCCTCCTCAGCTGGTGGGGTCAGTGGGAAGTTCTGTCCTGGA TCTGGTTTCAGTGTCTCAGACCTTGCCCCACCACGGAAAGCCCTTTTCACCTACCCAAA GGAGCTGGAGAGATGTTAGAAGATGGCTCTGAGAGATTCTCTGCGAATCTGTTTTAGC TATCAAGTGGCATCCACGCTAAACAGGTGAAACATGATCAGCAAGTTGCTCGGATGGAA AAACTAGCTGGTTTGGTAGAAGAGCTGGAGGCTGACGAGTGGCGGTTTAAGCCCATCGAG CAGCTGCTGGGATTCACCCCTCTTCAGTTGA

Clone variation with respect to NM_173473.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_173473 unedited GGATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGGCACCANACGCCGCGGTC CTCGTCGTGTGAAGTAAGAAGTCTGCTAGAGAGGAAATGGCTGCTTCATCATCATCCTCC TCAGCTGGTGGGGTCAGTGGAAGTTCTGCTACTGGATCTGGTTTCAGTGTCTCAGACCTT GCCCCACCACGGAAAGCCCTTTTCACCTACCCCAAAGGAGCTGGAGAGATGTTAGAAGAT GGCTCTGAGAGATTCTCTGCGAATCTGTTTTAGCTATCAAGTGGCATCCACGTTAAA CAGGTGAAACATGATCAGCAAGTTGCTCGGATGGAAAACTAGCTGGTTTGGTAGAAGAG CTGGAGGCTGACGAGTGGCGGTTTAAGCCCATCGAGCAGCTGCTGGGATTCACCCCTCT TCAGGTTGATACTGCCTGGATGGTCACCTCTGGTGCGCAGCAAGTGCAAAGCCAGTGGGG GACTTTCTCACAGCTTACATAGCCATCCAGAGATCCACAGCTACGTCACTGAATTGTAA TGCACATTTGACTTGGTTTCTGTATCTATTACAGGCAACAAATACTTATATGTGTG ATCTTTCAGGGAATGTTTTGTTATTTGTTTTAAAAGTATTGGGAATCAGATTAAGAAC ATCAGTTTCAGAGAACCAGGAGTTTGGGGTTAAGAGATACTCAAATTTTCACAAGCCA AGTANGGCATATATCAGATTTGGCCAATGAATGGCGTCTGTCTGTCCATCCATATGGTG CCCTGGAATATTTACCAGTCAGGNTCANGGTCAGCATCTGTGGTTAAAAAATAGCATTCT GACCTAAAAAGTATTNTGCAGATGAATGTGTTTCACTCNAGACTATNCAATGAGGAATT TAAAAATCTTTTTTTTTCTATNTAGAAATAAATCTTAGATCTGACTTTTCTAACCTCTA TAGACTGCAATGCTGCAAN
Restriction Sites:	NotI-NotI
ACCN:	NM_173473
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_173473.2</u> , <u>NP_775744.1</u>
RefSeq Size:	3277 bp
RefSeq ORF:	333 bp
Locus ID:	119504
UniProt ID:	<u>Q96DE5</u>
Cytogenetics:	10q22.1

Gene Summary:

Component of the anaphase promoting complex/cyclosome (APC/C), a cell cycle-regulated E3 ubiquitin ligase that controls progression through mitosis and the G1 phase of the cell cycle. The APC/C complex acts by mediating ubiquitination and subsequent degradation of target proteins: it mainly mediates the formation of 'Lys-11'-linked polyubiquitin chains and, to a lower extent, the formation of 'Lys-48'- and 'Lys-63'-linked polyubiquitin chains.

[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1, and encodes isoform 1. Variants 1-3 encode the same protein (isoform 1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.