

Product datasheet for **MC228706**

Cdc27 (NM_001285990) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdc27 (NM_001285990) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cdc27
Synonyms:	AI452358; APC3; BC023187
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228706 representing NM_001285990
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACGACCTTGCTACTGAGTTGGAGATTCAGCTTGCTTCACTCTTTCCTTGTGGGACATGTGTATTG
 GTGAGAAGCCAGATCCTGACCAAACATTTAAATTAACATCTCTACAGAATTTTAGCAGTTGTCTCCCAA
 CACTTGTACAACCTAGTATCTAATCACAGTTTATCTCACAGACAGCCTGAGACAGTCTTACAGAAACA
 CCCAAGACACAATTGAATTAACAGACTGAATTTAGAATCTTCCAATTCAAAGTACTCCTTGAATACAG
 ATTCTCCGTGTCTTACATTGATTCAACTGTAATTTACCAGATAACGTCCCCCTTGACCTGGTACTGC
 CATATTATCTAAACAGGTTCAAATAAACCAAAAACCTGGTGAAGTTTATTAGGAGGACCAACTGCTCTT
 AGCCCATTAACCCCAAGTTTGGGATTTGCCATTAGAAACCCCAAGTCTGGAGATGGATCCTATTTAC
 AAAACTACACTAATACACCTTCTGTAATTGATGTGGCACCCACCGAGCACCTACAAAAAGACTTTTTG
 TGTTTTACAGTCTGTTGAAGAATGGGCCAAAACCTGGAACAAAGTCTGTCTTCTCACAGAGTGAAATAGT
 CGAGAGGTCACACCACTGTTGTCACAAACACAAAGTTCTGGCCACAAACAAGTACAACACCTCAGG
 TATTGAGCCCCACTATCACATCTCCCCAAACGATTGCCTCGGAGAAGTCCCGCCTTTTCACTAGTGA
 CAGTTCTACAACCAAGGAGAATAGCAAAAAGTTAAAAATGAAGTTTCCACCTAAAATCCCTAACGAAAA
 ACAAAAAGTAAAATAATAAGGAGGACTAACTCAGCCCAGCATAAACGATAGTCTGGAAATTACAAAAC
 TGGACTCCTCTATCATTTCAGAAGGGAAAATAACCACAGTCACACCTCAGATCCAGGCATTTAACCTACA
 AAAGGCAGCAGCAGAAGGTTTGTGAGCCTTCTCGTGAATGGGAAAAGGTTATTTAGCTTTGTGTTCA
 TACAACGCAAAGAAGCTATCAATTTTTGAGCCATCTACCTTCTCATCACTACAGTACTGGTTGGGTCC
 TATGCCAGATTGGACGGGCTTATTTGAACTTTCAGAATACATGCAGGCTGAAAGAATATTCTCAGAGGT
 TAGAAGGATTGAGAGTTTCAGAGTTGAAGGAATGGAGATCTACTTACAACACTCTGGCATCTTCAGAAA
 GACGTTGCTCTTTTCAAGTTCTTTCAAAGATTTAACAGACATGGATAAGAATTCACCAGAGGCCTGGTGTG
 CTGACGGGAATTGTTTCACTGCTACAACGAGAGCATGATATAGCAATTAATTTCTTCAAAGAGCTATCCA
 GGTGATCCAAATTACGCTTACGCCTACTCTATTAGGACATGAGTTTGTGTTAACTGAAGAAGTACTAGT
 AAAGCATTAGCATGTTTTCGAAATGCTATAAGAGTAAATCCCAGACATTACAATGCATGGTATGGTTTAG
 GAATGATTTATTACAAGCAAGAGAAGTTTCAAGCCTCGCAGAAATGCATTTCCAGAAAGCATTGATATCAA
 CCCTCAGAGTTTCACTTTGCCACATTGGAGTAGTTCAGCATGCACTAAAGAAGTCTGAGAAGGCT
 TTGGATACCTAAACAAGCCATTGTTATCGATCCCAAGAACCCTCTATGCAAATTTACAGAGCCTCGG
 TTTTATTTGCAAATGAAAATACAAGTCTGCTTTACAAGAACTCGAGGAACTGAAGCAGATTGTCCCAA
 AGAGTCCCTCGTTTACTTCTTAATAGGAAAGGTTTACAAGAAGTTGGGTCAAACCTCATCTCGCCTTGATG
 AATTTCTCTTGGGCTATGGATTTAGATCCTAAAGGAGCCAATAATCAGATTAAGAGGCAATTGACAAGC
 GCTACCTTCCAGATGATGAGGAGCCAATAACCCAGGAGGAACAGATCATGGGGACAGATGAATCCCAGGA
 GAGCAGCATGACAGATGCAGATGACACACAACCTCATGCGGCGGAAAGTGACGAATTT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001285990

Insert Size: 2091 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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001285990.1</u> , <u>NP_001272919.1</u>
RefSeq Size:	5703 bp
RefSeq ORF:	2091 bp
Locus ID:	217232
Cytogenetics:	11 67.79 cM
Gene Summary:	<p>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 (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (4) lacks an alternate in-frame exon in the 5' coding region and uses an alternate in-frame splice site in the coding region, compared to variant 1. This results in a shorter protein (isoform 4), compared to 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.</p>