

Product datasheet for **MC221891**

Cdc27 (NM_145436) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdc27 (NM_145436) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cdc27
Synonyms:	A1452358; APC3; BC023187
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221891 representing NM_145436
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACGGTGTGCAGAACCTGTCCAGGCTGTATATGGCAAGCGCTAAACCACTATGCTTACCGAGATG
 CAGTTTTCTCGCAGAAGCACTATATGCAGAAGTACATTCAGAAGAAGCCTTGTTTTACTGGCAACCTG
 TTAATACCGCTCAGGAAAAGGCTTATAAAGCATATAGACTCTTGAAAGGACACAGTTGTACCACCCACAG
 TGTAATACCTGCTTAAAAATGTTGTGTGACCTCAGCAAGCTTGCAAGGGGAACAGATCTTATCTG
 GTGGAGTGTAAATAAGCAGAAAAGCCATGACGACCTGTCACTGAGTTGGAGATTAGCTTGTCTCAC
 TCTTCTTGTGGGACATGTGATTGCAAGACAGATCGGCTTGCCAAAGGGTCAAGATTTACCAAAAAG
 AGCCTTAGTTAAATCCTTCTGCTCCCTTTGAATCGTTATGTGAAATAGGTGAGAAGCCAGATC
 CTGACCAACATTTAAATTAACATCTCTACAGAATTTAGCAGTTGTCTTCCCAACTGTACAACCTCT
 AGTATCTAATCACAGTTTATCTCACAGACAGCCTGAGACAGTCTTACAGAAACACCCCAAGACACAATT
 GAATTAACAGACTGAATTTAGAATCTTCAATTCAAAGTACTCCTTGAATACAGATTCTCCGTGTCTT
 ACATTGATTCAACTGTAATTTACCAGATAACGTCCCTTGGACCTGGTACTGCCATATATCTAAACA
 GGTTCAAAATAAACCAAAAAGTGGTGAAGTTTATTAGGAGGACCAACTGCTTACGCCATTAACCCCA
 AGTTTTGGGATTTGCCATTAGAAACCCCAAGTCTGGAGATGGATCCTATTTACAAAACACTAATA
 CACCTTCTGTAATTGATGTGGCACCCACCGGAGCACCTACAAAAAGTCTGTTGCAAGAATGGGCCAAAC
 TGGAAACAAAGTCTGTCTTCTCACAGAGTGGAAATAGTCGAGAGGTCACACCAGTACTTGTGCACAAACA
 CAAAGTCTGGCCACAAACAAGTACAACACCTCAGGTATTGAGCCCACTATCACATCTCCCCAAACG
 CATTGCCTCGGAGAAGTCCCGCCTTTTCACTAGTGACAGTTCTACAACCAAGGAGAATGCAAAAAGT
 AAAAAATGAAGTTTCCACCTAAAATCCCTAACAGAAAAACAAAAAGTAAAACATAATAAAGGAGGACTAACT
 CAGCCCAGCATAAACGATAGTCTGGAAATTACAAAAGTGGACTCCTCTATCATTTCAGAAGGAAAAATA
 CCACAGTCACACCTCAGATCCAGGCATTTAACCTACAAAAGGCAGCAGCAGAAGGTTTGTGAGCCTTCT
 TCGTGAATGGGAAAAGTTATTTAGCTTTGTGTTTACATAACTGCAAGAAGCTATCAATATTTGAGC
 CATCTACCTTCTCATCACTACAGTACTGGTGGGTCTATGCCAGATTGGACGGGCTATTTTGAACCTT
 CAGAATACATGCAGGCTGAAAGAATATTCTCAGAGGTTAGAAGGATTGAGAGTTTCAGAGTTGAAGGAAT
 GGAGATCTACTTACAACACTCTGGCATCTTACAGAAAGACGTTGCTCTTTCAGTTCTTTCAAAGATTTA
 ACAGACATGGATAAAGATTCACCAGAGGCTGGTGTGCTGCAGGGAATTGTTTCAGTCTACAACGAGAGC
 ATGATATAGCAATTAATTTCTTCCAAAGAGCTATCCAGGTCGATCCAAATTACGCTTACGCCTATACTCT
 ATTAGGACATGAGTTTGTGTTAACTGAAGAAGTATAGATAAAGCATTAGCATGTTTTCGAAATGCTATAAGA
 GTAATCCAGACATTACAATGCATGGTATGGTTAGGAATGATTTATTACAAGCAAGAGAAGTTACAGCC
 TCGCAGAAATGCATTTCCAGAAAGCACTTGATATCAACCTCAGAGTTGAGTTTACTTTGCCACATTGG
 AGTAGTTCAGCATGCACTAAAGAAGTCTGAGAAGGCTTTGGATACCCTAAACAAAGCCATTGTTATCGAT
 CCCAAGAACCCTCTATGCAAATTCACAGAGCCTCGGTTTTATTGCAAATGAAAAATACAAGTCTGCTT
 TACAAGAAGTTGGGTCAAACCTCATCTCGCCTTGATGAATTTCTTTGGGCTATGGATTTAGATCCTAAA
 GGAGCCAATAATCAGATTAAGAGGCAATTGACAAGCGCTACCTTCCAGATGATGAGGAGCAATAACCC
 AGGAGGAACAGATCATGGGGACAGATGAATCCAGGAGAGCAGCATGACAGATGCAGATGACACACAAC
 TCATGCGGCGAAAGTGACGAATTT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_145436
Insert Size: 2478 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).
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_145436.2 , NP_663411.2
RefSeq Size:	5783 bp
RefSeq ORF:	2478 bp
Locus ID:	217232
UniProt ID:	A2A6Q5
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 (2) has multiple differences in the coding region but maintains the reading frame, compared to variant 1. This variant encodes isoform 2, which is shorter than isoform 1.</p>