

Product datasheet for **MC229010**

Cdc27 (NM_001285989) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdc27 (NM_001285989) 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: >MC229010 representing NM_001285989
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACGGTGTGCAGAACCTGTCCAGGCTGTATATGGCAAGCGCTAAACCACTATGCTTACCGAGATG
 CAGTTTTCTCGCAGAACGACTATATGCAGAAGTACATTCAGAAGAAGCCTTGTTTTACTGGCAACCTG
 TACTACCGCTCAGGAAAAGGCTTATAAAGCATATAGACTCTTGAAAGGACACAGTTGTACCACCCACAG
 TGTAATACCTGCTTGCAAAATGTTGTGTGACCTCAGCAAGCTTGCAAGGGGAACAGATCTTATCTG
 GTGGAGTGTAAATAAGCAGAAAAGCCATGACGACCTTGTCACTGAGTTGGAGATTAGCTTGTCTCAC
 TCTTCTGTTGGGACATGTGATTGCAAGACAGATCGGCTTGCCAAAGGGTCAAGATGTTACCAAAAAG
 AGCCTTAGTTAAATCCTTCTGCTCCCTTTGAATCGTTATGTGAAATAGGTGAGAAGCCAGATC
 CTGACCAACATTTAAATTAACATCTCTACAGAATTTAGCAGTTGTCTTCCCAACTTGTACAACCTCT
 AGTATCTAATCACAGTTTATCTCACAGACAGCCTGAGACAGTCTTACAGAAACACCCCAAGACACAATT
 GAATTAACAGACTGAATTTAGAATCTTCCAATCAAAGTACTCCTTGAATACAGATTCTCCGTGTCTT
 ACATTGATTCAACTGTAATTTACCAGATAACGTCCCCCTTGACCTGGTACTGCCATATATCTAAACA
 GGTTCAAAATAAACCAAAAAGTGGTGAAGTTTATTAGGAGGACCAACTGCTTACGCCATTAACCCCA
 AGTTTTGGGATTTGCCATTAGAAACCCCAAGTCTGGAGATGGATCCTATTTACAAAACACTAATA
 CACCTTCTGTAATTGATGTGGCACCCACCGGAGCACCTACAAAAAGTCTGTTGCAAGAATGGGCCAAAC
 TGGAAACAAAGTCTGTCTTCTCACAGAGTGGAAATAGTCGAGAGGTACACCAGTACTTGTGCACAAACA
 CAAAGTCTGGCCACAAACAAGTACAACACCTCAGGTATTGAGCCCCACTATCATCTCCCCAAACG
 CATTGCCTCGGAGAAGTCCCGCCTTTTCACTAGTGACAGTTCTACAACCAAGGAGAATGCAAAAAGTT
 AAAAAATGAAGTTTCCACCTAAAATCCCTAACAGAAAAACAAAAAGTAAAATAATAAAGGAGGACTAACT
 CAGCCCAGCATAAACGATAGTCTGGAAATTACAAAAGTGGACTCCTCTATCATTTCAGAAGGAAAAATA
 CCACAGTCACACCTCAGATCCAGGCATTTAACCTACAAAAGGCAGCAGCAGGTTTGTGAGCCTTCTTCG
 TGAAATGGGAAAAGGTTATTTAGCTTTGTGTTCAATACTGCAAAGAAGCTATCAATATTTGAGCCAT
 CTACCTTCTCATCACTACAGTACTGGTTGGTCTATGCCAGATTGGACGGGCTATTTTGAACCTTCAG
 AATACATGCAGGCTGAAAGAATATTCTCAGAGGTTAGAAGGATTGAGAGTTTCAGAGTTGAAGGAATGGA
 GATCTACTCTACAACACTCTGGCATCTCAGAAAGACGTTGCTCTTTCAGTCTTTCAAAGATTTAACA
 GACATGGATAAGAATTCACCAGAGCCTGGTGTGCTGCAGGGAATTGTTTCAGTCTACAACGAGAGCATG
 ATATAGCAATTAATTTCTCAAAGAGCTATCCAGGTCGATCAAATACGCTTACGCCTATACTCTATT
 AGGACATGAGTTTGTGTTAACTGAAGAAGTAAAGCATTAGCATGTTTTCGAAATGCTATAAGAGTA
 AATCCCAGACATTACAATGCATGGTATGGTTTAGGAATGATTTATTACAAGCAAGAGAAGTTCAGCCTCG
 CAGAAATGCATTTCCAGAAAGCACTTGATATCAACCTCAGAGTTAGTCTTACTTTGCCACATTGGAGT
 AGTTTCAGCATGCACTAAAGAAGTCTGAGAAGGCTTTGGATACCCTAAACAAAGCCATTGTTATCGATCCC
 AAGAACCCTCTATGCAAATTTACAGAGCCTCGGTTTTATTTGCAAATGAAAAATACAAGTCTGCTTTAC
 CAAGAAGTTGGTCAAACCTCATCTCGCCTTGATGAATTTCTCTGGGCTATGGATTTAGATCCTAAAGGA
 GCCAATAATCAGATTAAGAGGCAATTGACAAGCGCTACCTTCCAGATGATGAGGAGCCAATAACCCAGG
 AGGAACAGATCATGGGGACAGATGAATCCAGGAGAGCAGCATGACAGATGACAGATGACACACAACCTTCA
 TCGCGCGGAAAAGTACGAATTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001285989
Insert Size: 2475 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_001285989.1, NP_001272918.1</u>
RefSeq Size:	5780 bp
RefSeq ORF:	2475 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 (3) has multiple differences in the coding region but maintains the reading frame, compared to variant 1. This variant encodes isoform 3, which is shorter than 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>