

Product datasheet for **MC229013**

Cdc27 (NM_001285988) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdc27 (NM_001285988) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cdc27
Synonyms:	AI452358; APC3; BC023187
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC229013 representing NM_001285988
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGACGGTGTGCAGAACCTGTCCAGGCTGTATATGGCAAGCGCTAAACCACTATGCTTACCGAGATG
 CAGTTTTCTCGCAGAACGACTATATGCAGAAGTACATTCAGAAGAAGCCTTGTTTTACTGGCAACCTG
 TACTACCGCTCAGGAAAAGGCTTATAAAGCATATAGACTCTTGAAAGGACACAGTTGTACCACCCACAG
 TGTAATACCTGCTTAAAAATGTTGTGTGACCTCAGCAAGCTTGCAAGGGGAACAGATCTTATCTG
 GTGGAGTGTAAATAAGCAGAAAAGCCATGACGACCTTGTCACTGAGTTGGAGATTAGCTTGTCTCAC
 TCTTCTTGTGGGACATGTGATTGCAAGACAGATCGGCTTGCCAAAGGGTCAAGATGTTACCAAAAAG
 AGCCTTAGTTAAATCCTTCTCTGGTCTCCCTTTGAATCGTTATGTGAAATAGGTGAGAAGCCAGATC
 CTGACCAACATTTAAATTAACATCTCTACAGAATTTAGCAGTTGTCTTCCCAACTTGTACAACCTCT
 AGTATCTAATCACAGTTTATCTCACAGACAGCCTGAGACAGTCTTACAGAAACACCCCAAGACACAATT
 GAATTAACAGACTGAATTTAGAATCTTCAATTCAAAGTACTCCTTGAATACAGATTCTCCGTGTCTT
 ACATTGATTCAACTGTAATTTACCAGATAACGTCCCCCTTGGACCTGGTACTGCCATATATCTAAACA
 GGTTCAAAATAAACCAAAAAGTGGTGAAGTTTATTAGGAGGACCAACTGCTTACAGCCATTAACCCCA
 AGTTTTGGGATTTGCCATTAGAAAACCCCAAGTCTGGAGATGGATCCTATTTACAAAACACTACTAATA
 CACCTTCTGTAATTGATGTGGCACCCACCGGAGCACCTACAAAAAGACTTTTTGTGTTTTACAGTCTGT
 TGCAAGAATGGCCAAACTGGAACAAAGTCTGTCTTCTCACAGAGTGGAAATAGTCGAGAGGTACACCA
 GTACTTGTGCACAAACAAAAGTTCTGGCCACAAAAGTACAACACCTCAGGATTTAGGCCCACTA
 TCACATCTCCCCAAACGCATTGGCTCGGAGAAGTCCCGCCTTTTCACTAGTGACAGTTACAACCAA
 GGAGAATAGCAAAAAGTTAAAAATGAAGTTTCCACCTAAAATCCCTAACAGAAAAACAAAAGTAAAAC
 AATAAAGGAGGACTAACTCAGCCAGCATAAACGATAGTCTGAAATTAACAAAAGTGGACTCCTCTATCA
 TTTCAGAAGGGAAAAAACCACAGTACACCTCAGATCCAGGCATTTAACCTACAAAAGGCAGCAGCAGG
 TTTGATGAGCCTTCTCGTGAATGGGAAAAGTTATTTAGCTTGTGTTTATACAACACTGCAAAAGAGCT
 ATCAATATTTGAGCCATCTACCTTCTCATCACTACAGTACTGGTTGGTCTATGCCAGATTGGACGGG
 CTTATTTGAACTTTCAGAATACATGCAGGCTGAAAGAATTTCTCAGAGGTTAGAAGGATTGAGAGTTT
 CAGAGTTGAAGGAATGGAGATCTACTCTACAACACTCTGGCATCTCAGAAAGACGTTGCTCTTTCAGTT
 CTTTCAAAAGATTTAACAGACATGGATAAAGAATTCACCAGAGGCCTGGTGTGCTGCAGGGAATTGTTCA
 GTCTACAACGAGAGCATGATATAGCAATTAATTTCTTCCAAAGAGCTATCCAGGTCGATCCAAATACGC
 TTACGCCTATACTCTATTAGGACATGAGTTGTGTTAACTGAAGAAGTAGATAAAGCATTAGCATGTTTT
 CGAAATGCTATAAGAGTAAATCCAGACATTACAATGCATGGTATGGTTAGGAATGATTTATTACAAGC
 AAGAGAAGTTCAGCCTCGCAGAAATGCATTTCCAGAAAGCACTTGATATCAACCCCTCAGAGTTTCACTTT
 ACTTTGCCACATTGGAGTAGTTCAGCATGCACTAAAGAAGTCTGAGAAGGCTTTGGATACCTAAACAAA
 GCCATTGTTATCGATCCCAAGAACCCTCTATGCAAATTTACAGAGCCTCGGTTTTATTTGCAAATGAAA
 AATACAAGTCTGCTTTACAAGAAGTGGGTCAAACCTCATCTCGCCTTGATGAATTTCTCTTGGGCTATG
 GATTTAGATCCTAAAGGAGCCAATAATCAGATTAAGAGGCAATTGACAAGCGCTACCTTCCAGATGATG
 AGGAGCCAATAACCCAGGAGGAACAGATCATGGGACAGATGAATCCAGGAGAGCAGCATGACAGATGC
 AGATGACACACAACCTTATGCGCGGAAAAGTGACGAATTT**TAA**

ACGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001285988
Insert Size: 2493 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001285988.1, NP_001272917.1</u>
RefSeq Size:	5798 bp
RefSeq ORF:	2493 bp
Locus ID:	217232
UniProt ID:	<u>A2A6Q5</u>
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 (1) encodes the longest 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>