

## Product datasheet for **RN201505**

### **Cdc27 (NM\_001024793) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cdc27 (NM_001024793) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cdc27
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN201505 representing NM\_001024793  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACGGTGTGCAGAACCTGTCCAGGCTGTATATGGCAAGCACTAAACCACTATGCTTACCGAGACG  
 CAGTTTTCTCGCAGAAGCACTATATGCAGAAGTACATTCAGAAGAAGCCTTGTTTTCTACTGGCGACCTG  
 TTAATACCGCTCAGGAAAAGCCCTATAAAGCCTATAGACTCTTGAAAGGACACAGTTGTACCACCCCGCAG  
 TGTAATACCTGCTTGCAAAATGTTGTGTGACCTCAGCAAGCTTGCAAGGGGAACAAATCTTATCTG  
 GTGGAGTGTAAATAAGCAAAAAGCCATGACGACCTGTCACTGAGTTTGGTGATTGAGCTTGTCTCAC  
 TCTTCTGTTGGGACATGTATATTGCAAGACAGATCGGCTTGCCAAAGGATCAGAATGTACCAAAAAG  
 AGCCTTAGTTAAATCCTTCTGCTCCCTTTGAATCGTTATGTGAAATAGGTGAGAAGCCAGATC  
 CTGACCAACATTTAAATTAACATCTCTACAGAATTTAGCAGTTGTCTTCCCAACAGTGTACAGCTCT  
 AGTATCTAACACAGTTTATCTCACAGACAGCCTGAGACAGTCTTACAGAACTCCCAAGACAGGATT  
 GAATTAACAGACTGAACCTAGAATCTTCCAATCAAAGTACTCCTTGAATACAGATTCTCCGTGTCTT  
 ACATTGATTGAGCTGTAATTTACCAGATAACGTCCCCCTTGGAACTGGTCTTCCATATATCTAAACA  
 GGTTCAAAATAAACCAAAAAGTGGTGAAGTTTATTAGGAGGACCAACTGCTCTTAGCCCATTAACCCCA  
 AGTTTTGGGATTTGCCATTAGAAACCCCAAGTCTGGAGATGGATCCTATTTACAAAACACTACTAATA  
 CACCTTCTGTAATTGACGTGCCATCCACCGGAGCACCTACTAAAAAGTCCGTTGCAAGAATGGGCCACAC  
 TGGAGCGAAGTCTGTCTTCTCACAGAGTGGAAACAGTCCGGAGGCCACACCGGTGCTCGTTGCCAGACA  
 CAAAGCTCTGGCCACAAAACAGTACAACACCTCAGGTATTGAGCCCCACTATTACATCTCCCCAAATG  
 CATTGCCTCGAAGAAGTTCCCGCCTTTTCACTAGTGACAGTTCTACAACCAAGGAGAATGCAAAAAGTT  
 AAAAAATGAAGTTTCCACCTAAAAATCCCAACAGAAAAACAAAAAGTAAAACTAATAAAGGAGGAATAACT  
 CAACCCAAACATAAACGATAGTCTGGAAATTACAAAATTGGACTCTTCTATCATTTCAGAAGGAAAAAT  
 CCACAATCACACCTCAGATCCAGGCATTTAACCTACAAAAGGCAGCAGCAGGTTTGTGAGCCTTCTTCTG  
 TGAAATGGGAAAAGGTTATTTAGCTTTGTGTTTACAACCTGCAAGAAGCTATAAATATTCTGAGCCAC  
 CTACCTTCTCACCCTACAGTACTGGCTGGTCTGTGCCAGATTGGACGGGCTATTTTGAAGTTTTCAG  
 AATACATGCAGGCTGAAAGAATATTCTCAGAAGTTAGAAGGATTGAGAGTTTTCAGAGTTGAGGGTATGGA  
 GATCTACTCTACAACACTCTGGCATCTTCAAGAAGATGTTGCTCTTTCGTTCTTTCAAAAGATTTAACA  
 GACATGGATAAGAATTCACCAGAGGCTTGGTGTGCTGCAGGGAATGTTTCAGTCTACAACGGGAGCATG  
 ATATAGCAATTAATTTCTCAAAGAGCTATCCAGGTGGATCAAATTATGCTTATGCCTATACTCTATT  
 AGGACATGAATTTGTGTTAACTGAAGAAGTATGATAAAGCATTAGCATGTTTTCGAAATGCTATAAGAGTA  
 AATCCCAGACATTATAATGCATGGTATGGTTTAGGGATGATTTATTACAAGCAAGAGAAATTCAGCCTCG  
 CAGAAATGCATTTCCAGAAAGCACTTGATATCAACCTCAGAGTTTCACTTTGCCACATTGGAGT  
 AGTTTCAGCATGCACTCAAGAAGTCTGAGAAGGCTTTGGATACCCTAAACAAAGCCATTGTTATAGATCCC  
 AAGAACCCTCTATGCAAATTTACAGAGCCTCAGTTTTATTTGCAAATGAAAAATACAAGTCTGCTTTAC  
 AAGAAGTTGGGTCAAACCTCATCTCGCCTTGATGAATTTCTTGGGCTATGGATTTAGATCCTAAAGGA  
 GCCAATAATCAGATTAAGAGGGCAATTGACAAGCGCTACCTTCCAGATGATGAGGAGCCGATAACCCAGG  
 AGGAGCAGATCATGGAAACAGATGAATCCAGGAGAGCAGCATGACAGATGCAGATGACACTCAACTTCA  
 TGCAGCGGAAAGTATGAATTTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001024793  
**Insert Size:** 2475 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001024793.1</a> , <a href="#">NP_001019964.1</a>
<b>RefSeq Size:</b>	3045 bp
<b>RefSeq ORF:</b>	2475 bp
<b>Locus ID:</b>	360643
<b>UniProt ID:</b>	<a href="#">Q4V8A2</a>
<b>Cytogenetics:</b>	10q32.1
<b>Gene Summary:</b>	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]