

## Product datasheet for **RR205636**

### Cdc6 (NM\_001108298) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cdc6 (NM_001108298) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdc6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR205636 representing NM\_001108298  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCCTCAAACCCGATCCAGACACAAGCTACCATCGACTTTCGAAAAAGAAGCAATCTAAGACCTGA  
 GCAAGACAAACTCCCGTGACAGTGAAGTAAAACCTAGAAAAGTCCAGCCTGTACCCACCCTCCGTGTGC  
 GGACATAAAAAATCTGCCTCTCAGTCCCGAAAAACGTTTGGGTGATGACAATCTGTGCAACTCCCAT  
 TTATCTCCATGTTCTCCGCCAAGCTGGCAGGAAGGAAAAACGGCCCCCTCGCTCACATACACGGAAGG  
 GATGCAGATTAATATTCGATGATGAGCTGGCAGTTAAGGCTTCCGCCAAAAAGAACAAGACAGAGTTCC  
 CCAGCACAAATACTTCTCCGCTCAAAGAGGTCAAGAGAGCGAAACAAATCCTGAGCAGAAATGCCCA  
 CCAGAGAAGGAATCCGCGTGTATGCGACTGTTCAAGCAGGAAGGCACTTGTATCAACAGGCAAAGCTTG  
 TCCTGAATACAGCTGTCCCGACCGGCTGCCTGCCAGAGAACAGGAGATGGGTGCATCAGGGATTTCT  
 GAAGGAGCACATCTGTGGAAAAAGCTGGGAGTCTCTACCTTTCTGGCGCTCCTGGAACGGGAAAACT  
 GCCTGTTTAAAGCCGATTCTGCAGGACTTCAAGAAGGAAGTAAAAGGCTTTAAAACCTATCGTGCTGAATT  
 GCATGTCCCTGAGGAACGCTCAGGCCGTGTTCCAGCCATTGCTCAGGAGATTGGTCCGGAGGAACCTCG  
 CAGACCCACCGGGAAGGACTTGATGAGAAAAGCTGGAAAAGCACTTACAGCCGAGAGGGGCCCATGATT  
 GTGTTGGTGTGGACGAGATGGATCAGCTGGACAGCAAAGGGCAGGATGTGTTATACACCCTGTTGAGT  
 GGCCGTGGTTAAGCAATCCCGATTGGTGTCTATTGGTATTGCTAATACCTGGATCTCACGGACAGAAT  
 TCTGCCGAGACTTGAAGCTAGAGAAGGCTGAAGCCGAAGCTACTGAACCTCCACCTTACACCAGGAAT  
 CAGATAGCTGCGATCTTGACAGGATAGGCTTAGTCAGGTATCAAAAGACCAGGTTCTGGACAGTCTGCCA  
 TTCAGTCTGTGCCCGCAAAGTATCTGCTGTCTCAGGGACATCCGAAAAGCGCTGGATGTTTGCAGGCG  
 AGCTATTGAAATTTGGAGTCGGATGTCAGGAGCCAGACAGTCCCAAACCACTCTCCGAATGTAATCA  
 CCTGCGAGTCGCTGGTCCCAAGCGTGTGCGTCTCGCTCACATATCCCAAGTCATTTCCGGAGTTGATG  
 GTAACAGGGTGACTTTGAGCCAAGAAAACACACAGGATTCCTTCTCCAGCAGAAGATCTTGGTTTG  
 CTCTTTGCTGCTTTGACCAAGCGGCTAAAAATCAAAGAGGTACCCTGGGGAAGTTATATGAAGCTAC  
 AGTAGTGTCTGTCGTAACAGCAGGTGGCAGCCGTAGACCAGTCTGAGTGTGTTGCTTCTGGACTCC  
 TGGAAATCCAGGGCATTGTGGGACTGAAGAAAAACAAGGAGAGCCGCTCACCAAGGTGTCTCTGAAGAT  
 TGAAGAAAAGGAGATAGAGCATGTCTAAAAGGCAAAGCTTTCATTGGGAACATCTCGCTGCCGGGCTG  
 CCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR205636 representing NM\_001108298  
 Red=Cloning site Green=Tags(s)

MPQTRSQTQATIDFPKKKQSKTLSKTNSRDSEVKLRNVQPVPTTPCADIKILPLSPRKRLGDDNLCNTPH  
 LSPCSPPKLGRKENGPPRSHTRKGCRLIFDDELAVKASAPKEQDRVPQHQILSSAQRQSETNPEQKCP  
 PEKESACMRLFKEGTCYQAKLVLNTAVPDRLPAREQEMGVIRDFLKEHICGKKAGSLYLSGAPGTGKT  
 ACLSRILQDFKKEVKGFKTIVLNCMSLRNAQAVFPAIAQEIGREELCRPTGKDLMRKLEKHLTAERGPMI  
 VLVLDEMQLDSKGQDVLTYLFEWPWLSNSRLVLIIGIANTLDLDRILPRLEAREGCKPKLLNFPYTRN  
 QIAAILQDRLSQVSKDQVLDAAIQFCARKVSAVSGDIRKALDVCRRRAIEIVESDVRSQTVLKLPLSECKS  
 PCESLVPKRVGLAHISQVISGVDGNRVTLSEQENTQDSLPLQKILVCSLLLLTKRLKIKEVTLGKLYEAY  
 SSVCRKQQAAVDQSECLSLSGLLESRGIVGLKKNKESRLTKVSLKIEEKEIEHVLKGFIGNILAAGL  
 P

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

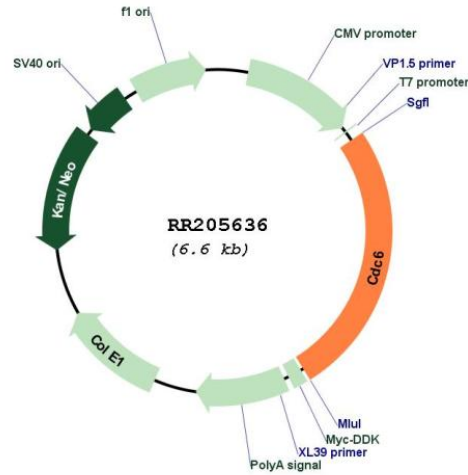
**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**



ACCN:

NM\_001108298

<b>ORF Size:</b>	1683 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_001108298.1</a> , <a href="#">NP_001101768.1</a>
<b>RefSeq Size:</b>	2672 bp
<b>RefSeq ORF:</b>	1686 bp
<b>Locus ID:</b>	360621
<b>Cytogenetics:</b>	10q31
<b>MW:</b>	62.3 kDa