

## Product datasheet for **RR203099**

### **Cdcp1 (NM\_001106869) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cdcp1 (NM_001106869) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdcp1
Synonyms:	RGD1305578
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR203099 representing NM\_001106869  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCCGCTCGGCCTGCGGGTTCTCAGTCGCTCTGCTGGGACCCTGCTGCTGGGACCGCGTGCCTGC  
 TGC GCGGGACAGAAGCATCTGAGATTGCTCTGCCCGTGAAGTGACATTACAGTGCACATCAAGCTGGT  
 GAGCCAGCCCTTCCAGTGAAATTCTGCTACATCGTCGTGCTAGACAGCATGTGACTGAGTTGACTATC  
 AGACCTGGAGAAAGAAAGTCTTTTACCTTTAGCTGCAACAATCCAGAGAAGCACTATGTCTTGAAGATTG  
 AGAAGAATATTGACTGCATGTCAGGCCCGTGTCTTTGGAGAGGTTCTGCTTCCAGCCATCCAAATCAGA  
 ACTGCCCATCCTCAACAGAACCTACATCTGGGACGTGAGAGCTCATAAGAGCATTGGCCTGGAGCTGCAA  
 TTTGCAACCCCTCGACTGAGGCAGATTGGGCCAGGAGAGAGCTGTGCAGATGGGTAACCCACTCCATCA  
 GTGGCCACATAGATGCCACCGAGGTGAGATTGGGACCTTCTGCAGTAACGGCACCGTGTCCCGGATCAA  
 GATGCAAGAGGGTGTCAAGATGGCCTTACACCTGCCCTGGTCCACCCAGGAACATCTCAGGCTTCAGT  
 ATTGCAAATCGATCGTCTATCAAACGCCTGTGCATCATTGAGTCAGTATTTGAGGGTGAAGGCTCAGCAA  
 CCCTGATGTCAGCCAACCTACCCAGGAGGCTTCCCTGAAGATGAGCTTATGACCTGGCAGTTTGTGTCCC  
 TGCACACCTAAGGGCCAGCGTCTCCTTCCCTTAACTTCAACGTCTCCAACCTGTGAGAGGAAGGAGAGCGT  
 GTTGAGTACTATATCCCAGGATCCACCACCAACCCGGAGGTGTTGAGGCTGGAGGACCAGCAGCCAGGAA  
 ATATGGCTGGAACTTCAACCTCCTCCTGCAAGGCTGTGACCAGGATGCCAGAGCCAGGAATCCTTCCG  
 ACTCCAGTTTCAGGTCTGGTCCAACGTCCACAGAATGAAAGCAATATAACCTACATGGTGGACCTGAGT  
 CAAGAGCGAACCATGTCGCTCACCATCGAGCCCGGCCAGTCAAACATGGCCGAAGTTTGTTCCTGGGT  
 TTTTCGTGTGTAGACTCTCGGACTTGTAGTACCAATGTCACCTGACGGCTGGCTCCAACACAAAGAT  
 TTCCTTCTGTGTGATGACTTGGCTCGCCTGTGGATGAATGTGGAGAAAACCCCTAAGCTGTCTGGACCAC  
 CGCTACTACTACGGGAAGTCCTTCAACCTGCAGGTGCCTAAGGACATCCTCCAGCTGCCTGTGCAGCTGC  
 ATGACTTCTCCTGGAAGCTACTGGTGCCCAAGGACAGGCTCGGCCTTATGCTGGTGCCAGGCCAGAAGCT  
 ACAGCAGCATACAGAGAGAGGCCTTGTAAACACCACTTGGTTACCAGGTGGCCAGCACCACCCCTGGC  
 CAGGACCTGTACTTTGGTTCCTTCTGCCAGGAGGCTCCATCGAGAAGATCCAGGTGAAGCAAAATAGCT  
 CGGTGACACTGCGAACCTATGCCCCGGCTTTCAACAAGAAGTCTCCAAGCAAGTCTGACAGTGTCTTT  
 AATACCATACTTCAAAGAGGAAGGCATCTTACCCTGACCCAGACTCAAAAAACAAGGTCTACCTGAGA  
 TCACCAACTGGGACCGTGGCCTGCCTGCCCTCCTCAGTGTCTTGGAAACATCAGCGTGCCAAGCAACC  
 AAGTGGCTTGTCTGACCTTCTTCCAGAGAGCGTTCTGGCTTGGCCTGTGAGTCAAGGCGAGCATTCATGAT  
 CATCCAGGAGCAGCAGACCCGGGAGAGGAGATCTTCCAGCTGGAGGAGGAAGTGTGCCTAAGCCAAGT  
 TTCCACCATCACAGTTTCTGGGTTAACATCTCCAATTGCAGCCCCATGAATGGCAAGCAGTTAGATTTGC  
 TCTTCTGGGTGACTCTTACCCCAAGGACTGTGGATTTGACTGTATCATTGGTGCAGCAGGAGGCGGAGC  
 TCTGCTGCTGTTTGGCCTGGGGCTATCATCTGCCTTGTGAAAAAGAAGAAGAAGGTGGACAAGGGTCTCT  
 GCTGTGGGTATCTATAATGGCAATGCCAATACCCAAATGCCCCAGACTCAAAAGTTTCAGAAAAGGCGAA  
 AGGACAATGACTCCCATGTGTATGCTGTATCGAAGACACCATGGTGTATGGGCACCTGCTGCAGGACTC  
 GGGTGGATCCTTCAAGCAGAGGTGGACACCTATCGGCCCTTCCAGGGCCCATGGGAGACTGCCCC  
 CCCACGCCACCCCTATATTCTCCAGGACCCCAACTGCAAAGTTCACTGCAGACAAGCTGGCTCCTAGTA  
 GCCCTCCTGAGTCTGAGAGTGAACCCTACACTTCTCGCACCCCAACAAGGGGAAGTAGGTGTCAGGGA  
 TACTGGCATCCCCTTACTTAACATCCAAGGACCAATGGAGACTGAAGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR203099 representing NM\_001106869  
Red=Cloning site Green=Tags(s)

MARSACGFSVALLGTLTLLGTACLLRGTEASEIALPRGSDITVHIKLVSPALPVKFCYIVVSRQHVELTI  
RPGERKSFTFSCNNPEKHVYLKIEKNIDCMGSPCFGEVRLQPSKSELPILNRTYIWDVRAHKSIGLELQ  
FATPRLRQIGPGESECADGVTHSISGHIDATEVRIGTFCSNGTVSRIKMQEGVKMALHLPWFHPRNISGFS  
IANRSSIKRLCIIESVFEGEGSATLMSANYPGGFPEDELMTWQFVVPAPHLRASVSFLNFVNSNCERKEER  
VEYYIPGSTTNPEVFRLEDQQPGNMAGNFNLSLQGCQDAQSPGILRLQFQVLVQRPQNESNITYMVDLS  
QERTMSLTIEPRPVKHGRRFVPGCFVCLDSRTCSTNVTLTAGSKHKISFLCDDLARLWMNVEKTLSCLDH  
RYYYGKSFNLQVPKDILQLPVQLHDFSWKLLVPKDRLGLMLVPGQKLQQHTREPCNTSFGYQVASTTPG  
QDLYFGSFCPGGSIEKIQVKQNSSVTLRTYAPGFQQEVSKQVLTVSLIPYFKEEGIFTVTPDSKNKVYLR  
SPNWRDGLPALSSVSWNISVPSNQVACLTFFRERSGLACQSGRAFMIIEQQTRAEEIFSLEEEVLPKPS  
FHHSFWWNISNCSPMNGKQLDLLFWVTLPRTVDLTVIIGAAGGGALLL FALGLIICLVKKKKKVDKGP  
AVGIYNGNANTQMPQTQKFQKRRKDNDSHVYAVIEDTMVYGHLLQDSGGSF IQAEVDTYRPFQGPMDGCP  
PTPPPIFSRTPTAKFTADKLAPSSPPESESEPYTF SHPNKGEVGVRTGIPLLN IQGPMETEE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja3010\\_e01.zip](https://cdn.origene.com/chromatograms/ja3010_e01.zip)

**Restriction Sites:** Sgfl-Mlul

Cloning Scheme:



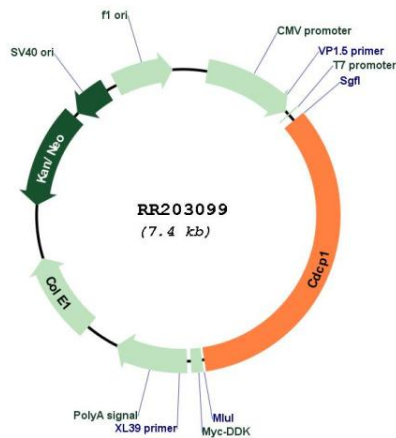
ACCN: NM\_001106869

ORF Size: 2499 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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. [More info](#)

<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>	<u>NM_001106869.1, NP_001100339.1</u>
<b>RefSeq Size:</b>	5232 bp
<b>RefSeq ORF:</b>	2502 bp
<b>Locus ID:</b>	301082
<b>Cytogenetics:</b>	8q32
<b>MW:</b>	92.8 kDa

**Product images:**

Circular map for RR203099