

## Product datasheet for **RR217216**

### **Cdh11 (NM\_053392) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cdh11 (NM_053392) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdh11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR217216 representing NM\_053392  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAAGGAGAACTACTGTTTACAAGCTGCCTGGTGTGCCTGAGCATGCTATACCACAGCCAGGCATTTG  
 CCCTGGAGCGACGAAGCCACCTGCGTCCCTCATTCCATGGACATCATGAGAAGGGCAAGGAGGGACAGGT  
 GCTGCAACGCTCCAAGAGAGGTTGGGTCTGGAACCAAGTCTTTGTGATAGAAGAGTACACCGGGCCTGAC  
 CCTGTGCTTGTGGGCAGGCTTCATTCTGACATTGACTCTGGTGTGGAAACATTAATACATTCTCTCAG  
 GTGAAGGAGCAGGAACATTTTTGTGATTGATGACAAATCAGGGAACATTCACGCCACCAAGACTGGA  
 CCGAGAGGAGAGAGCCAGTATACACTGATGGCTCAGGCGGTGGACAGGGACACCAACAGGCCATTGGAA  
 CCACCTTCAGAAATTCGTTAAGGTCCAGGACATTAATGACAACCTCCAGAGTTTCTGCATGAAACCT  
 ATCATGCCAATGTGCCTGAGAGGTCCAATGTGGAACTTCAGTAATCCAAGTGACAGCCTCTGATGCAGA  
 TGATCCCACCTATGGAAATAGTGCCAAGTTAGTGTATAGTATCCTTGAAGGACAACCTACTTCTCAGTG  
 GAGGCCAAACAGGTATCATCAGAACAGCCCTTCCAATATGGACAGAGAAGCCAAGGAGGAGTACCATG  
 TGGTGATCCAGGCCAAGGACATGGTGGACACATGGGCGGACTCTCAGGGACAACCAAAGTGACGATCAC  
 ACTGACTGATGTCAATGACAACCCACAAAGTTTCCACAGAGCGTGTACCAGATGTCTGTTTCAGAAGCA  
 GCTGTCCCGGGGAGGAAGTAGGAAGGGTGAAGGCTAAAGACCCAGACATCGGAGAAAAATGGCTTAGTCA  
 CATACAATATCGTTGATGGAGATGGCATGGAAGTGTGAAATCACAACAGACTATGAAACACAGGATGG  
 TGTGGTGAAGTGAAAAAGCCTGTAGATTTTGAACCAAAAGAGCATATAGCTTGAAGGTAGAGGCGGCC  
 AATGTACACATTGATCCGAAGTTCATCAGCAATGGACCTTCAAGGACACAGTACTGTCAAGATTGCAG  
 TAGAAGATGCCGACGAGCCTCCCATGTTCTTGGCCCAAGTTATATCCATGAAGTTCAAGAAAAATGCAG  
 TGCTGGCACTGTGGTTGGGAGAGTACATGCCAAAGACCCGGATGCTGCCAACAGCCAATAAGGTATTCA  
 ATTGATCGTCATACTGACCTCGACAGGTTTTTTCACGATTAATCCAGAAGACGGTTTTTAAAACTACGA  
 AACCTCTAGATAGGGAAGAACTGCCTGGCTCAACATCTCTGTCTTTGCAGCAGAAATCCACAACAGACA  
 TCAGGAAGCCAAAGTCCCAGTGGCCATCAGGGTCTGGATGTCAATGACAATGCTCCTAAGTTTGTCTGCC  
 CCTTATGAAGGCTTATCTGTGAGAGTGATCACCCAAACCCTCTCCAACCAGCCAATAGTTACAGTTA  
 GTGCAGATGACCTGGATGACACAGCCAATGGACCAAGATTTATCTTCAGTCTACCCCTGAAATCATTCA  
 CAACCCAAATTTACAGTAAGAGACAACAGAGATAAACTGCAGGAGTATATGCCCGACGTGGAGGGTTC  
 AGTCGGCAGAAGCAGGACCTCTACCTCCTGCCATTGTGATTAGCGATGGTGGCATCCCACCTATGAGTA  
 GCACCAATACCCTCACTATAAAAGTCTGTGGGTGTGATGTGAATGGGGCACTGTTGTCTGTAACGCTGA  
 AGCCTACATCCTGAATGCCGGTCTGAGCACTGGGGCATTGATCGCCATCCTTGCCTGCATCGTCATTCTT  
 CTGGTCATCGTTGTGTTGTTGTGACCCCTGAGGAGGCAAAAGAAAGAACCACTCATTGTATTTGAAGAAG  
 AGGATGTCCGGGAGAACATCATAACCTATGATGATGAAGGGGGTGGTGGAGGAAGACCCGAAGCCTTCGA  
 CATTGCCACCCTGCAGAAATCCTGACGGTATCAATGGATTTATCCCTCGCAAAGATATCAAACCTGAGTAT  
 CAGTACATGCCTAGACCTGGGCTGCGACCAGCACCAACAGTGTGGATGTGGACGACTTCATCAACACAA  
 GAATACAGGAGGCCGATAATGATCCCACGGCCCCCTCCCTATGACTCCATCCAATCTATGGTTATGAGGG  
 CAGGGGTTCCGTGGCTGGTCCCTGAGCTCCTTGGAGTCTGCCACCACAGATTCGGACCTGGACTACGAC  
 TATCTACAGAACTGGGGACCTCGTTTTAAGAAATTAGCAGACTTGTATGGCTCCAAGACACTTTTGATG  
 ATGACTCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR217216 representing NM\_053392  
Red=Cloning site Green=Tags(s)

MKENYCLQAALVCLSMLYHSQAFALERRSHLRPSFHGHHEKGEQVLRQSKRGWVWNQFFVIEEYTGPD  
PVLVGRHLSDIDSGDGNIKYILSGEGAGTIFVIDDKSGNIHATKTLDREERAQYTLMAQAVDRDTNRPLE  
PPSEFIVKVQDINDNPPEFLHETYHANVPERSNVGTSVIQVTASDADDPTYGNSAKLVYSILEGQPYFSV  
EAQTGIIRTPALPNMDREAKEEYHVVIQAKDMGGHMGGLSGTTKVTITLTDVNDNPPKFPQSVYQMSVSEA  
AVPGEEVGRVKAKDPDIENGLVTYNIVDGDMELFEITTDYETQDGVVKKKPVDFETKRAYSLKVEAA  
NVHIDPKFISNGPFKDTVTVKIAVEDADEPPMFLAPSYIHEVQENAAAAGTVVGRVHAKDPAANSPIRYS  
IDRHTDLDRFFTINPEDGFIKTTKPLDREETAWLNISVFAAEIHNHRQEAKVPVAIRVLDVNDNAPKFAA  
PYEGFICESDHPKPLSNQPIVTVSADDLDDTANGPRFIFSLPPEI IHNPNTVRDNRDNTAGVYARRGGF  
SRQKQDLYLLPIVISDGGIPPMSSNTLTIKVCGCDVNGALLSCNAEAYILNAGLSTGAL IAILACIVIL  
LVIVVLFVTLRRQKKEPLIVFEEEDVRENIITYDDEGGGEEDTEAFDIATLQNPDGINGFIPRKDIKPEY  
QYMPRPGLRPAPNSVDVDDFINTRIQEADNDPTAPPYDSIQIYGYEGRGSVAGSLSSLESATTDSDLDYD  
YLQNWGPRFKKLADLYGSKDTFDDDS

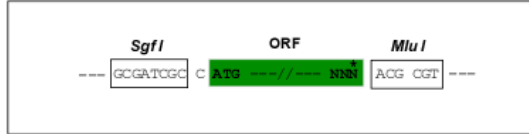
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja3778\\_e06.zip](https://cdn.origene.com/chromatograms/ja3778_e06.zip)

**Restriction Sites:** Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:

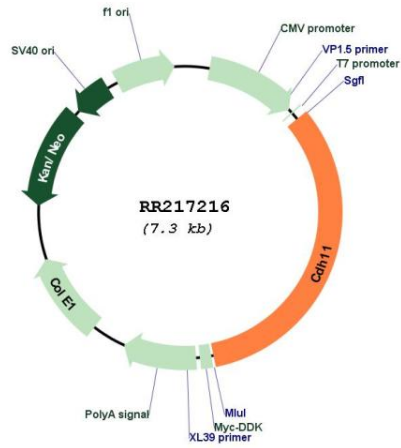


\* The last codon before the Stop codon of the ORF

ACCN: NM\_053392  
 ORF Size: 2388 bp

<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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></p>
<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_053392.1</a> , <a href="#">NP_445844.1</a>
<b>RefSeq Size:</b>	5173 bp
<b>RefSeq ORF:</b>	2391 bp
<b>Locus ID:</b>	84407
<b>Cytogenetics:</b>	19p14
<b>MW:</b>	88 kDa
<b>Gene Summary:</b>	cell-cell adhesion molecule [RGD, Feb 2006]

Product images:



Circular map for RR217216