

## Product datasheet for **RR205916**

### **Cdad1 (NM\_001012156) Rat Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cdad1 (NM_001012156) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdad1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR205916 representing NM_001012156 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAAAGAACCGGATCCGATGCAGAGTCTGGAGGGCTCCGGGGCCGAGAGGTCAGTCGGCACGCAGACGG  
GCAGCATGACGGGTCAAATACCAAGGCTTTCTAAAGTGAACCTTTTACTCTGCTCAGTCTCTGGATGGA  
GCTCTTCCCGGGAGTGAAGCCCAAGGGCAAAAATCTCAGAAAACCTGAAGAGGAAACCCGTGGTCCCTTA  
GGAGATAATGAAGACCTGGCCAGAGTATCTACTGACAAAAACAGGTTAAGAAAACCTGGTCTTGTGGTGG  
TAAAAACATGAAGATCATTGGTCTGCACTGTTCCAGTGAAGACTTGCATACTGGCAAATTGCTCTTAT  
TAAGCATGGGTCCAGGCTGAAAACTGTGATCTTTATTTTTCAAGAAAACCGTGTCTGCTTGTGTTGAAA  
ATGATAGTGAATGCTGGAGTTAACCGAATTTCTTACTGGCCTTCTGACCCAGAAAATAAGTTTGCTCACTG  
AGGCTTCTAGTTCTGAAGATGCAAAGCTAGATGCCAAAGCAGCAGAACGATTGAAGTCAAACAGCCGGGC  
CCACGTGTGCGTCTCTCCAGCCGCTGGTGTGTACATGGTGCAGTTTGTAGAGGAAACTTCTTACAAA  
TGTGACTTTATTCAAAAAAGCATAAAGCATTGCCGGTGTGCACTGATTTTTATTCTGAATGTAAC  
AAGAAAGAATAAAAGAATATGAAATGTTATTTTTGGTTTTCAAATGAAGAGATGCATAAGCAGATACTGAT  
GACTATAGGTCTGGAGAACCTGTGTGAAAACCCCTATTTTAGCAATCTAAGGCAAAACATGAAAGACCTG  
ATCCTACTTTTGGCCACAGTAGCTTCCAGTGTGCCCAACTTGAACACTTCGGATTCTACTGTAGCAACC  
CAGAACAGATTAATGAAATTCACAATCAGAGTTTGCCACAGGAAGTTGCAAGGCATTGCATGGTGCAGGC  
CAGGTTATTGGCTTATCGAACTGGTGAATCAATGCT

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

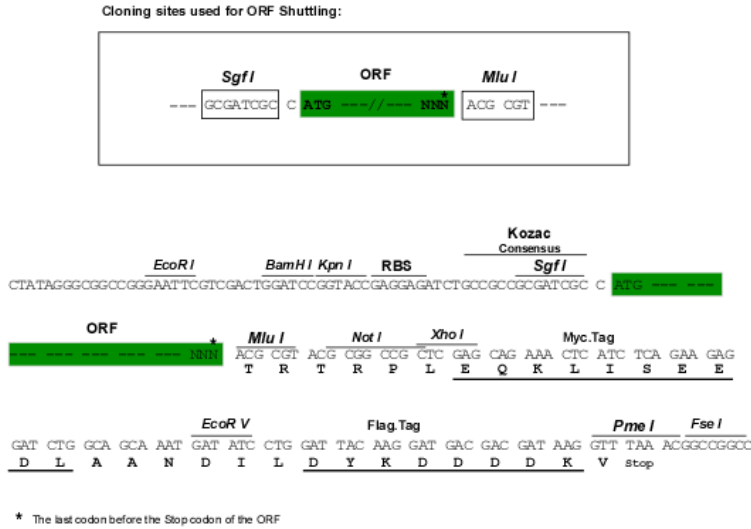
**Protein Sequence:** >RR205916 representing NM\_001012156  
 Red=Cloning site Green=Tags(s)

MKETDPMQSLEGS GAERSVGTQTGSMTGQIPRLSKVNLFTLLSLWMELFPGVEAQGQKSQKTEEETRGPL  
 GDNEDLARVSTDKKQVKTGLVVVKNMKIIGLHCSSDLHTGQIALIKHGSRLKNCDFYSRKPCSACKL  
 MIYNAGVNRISYWPSDPEISLLTEASSSEDAKLDAAAERLKSNSRAHVCVLLQPLVCYMVQFVEETSYK  
 CDFIQKTAKALPGADTDFYSECKQERIKEYEMLFLVSNEEMHKQILMTIGLENLCENPYFSNLRQNMKDL  
 ILLLLATVASSVPLKHFIFYCSNPEQINEIHNQSLPQEVARHCMVQARLLAYRTGEFNA

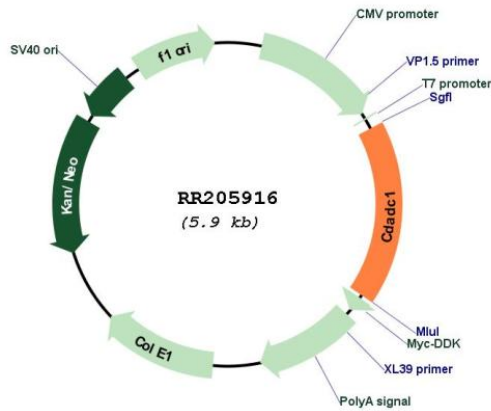
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001012156

<b>ORF Size:</b>	1017 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_001012156.1</a> , <a href="#">NP_001012156.1</a>
<b>RefSeq Size:</b>	1404 bp
<b>RefSeq ORF:</b>	1020 bp
<b>Locus ID:</b>	361052
<b>Cytogenetics:</b>	15p12
<b>MW:</b>	38 kDa