

## Product datasheet for **MR217030**

### **Cdadc1 (NM\_001168535) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cdadc1 (NM_001168535) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdadc1
Synonyms:	2310010M10Rik; AI449174; AI463398; BB130816; NYD-SP15
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>MR217030 representing NM\_001168535  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGAAAGAAACGGATCAGATGCAGAGTTTGGAGGTTCCGGGGCCGAGAGGTCAGTCGGCACGCAGACGG  
 GCAGCATGACGGGTCAAATACCAAGCCTTCTAAAGTGAACCTTTTACCCCTGCTCAGTCTCTGGATGGA  
 GCTCTTCCAGGAGTGAAGCCCAAGGGCAAAAATCTCAGAAAACCTGAAGAGGAAAGCCGTGGTCCCTTA  
 GGAGACAATGAAGAGTTGACCAGAGTGTCTACTGAAAAAAACAGGTGAAGAAAACCTGGTCTTGTGGTGG  
 TGAAAAACATGAAGATCATTGGTCTTCACTGCTCCAGTGAAGACTTACATACTGGGCAAATGCTCTCAT  
 TAAGCATGGGTCCAGGCTGAAAACTGTGATCTTTATTTTTCAAGAAAACCATGTTCTGCTTGTGTTGAAA  
 ATGATAGTGAATGCTGGAGTTAACCGAATTTCTACTGGCCTTCTGACCCAGAAAATAAGTTTGTCTACTG  
 AAGCTTCTAGTTCTGAAGATGCAAAGCTAGATGCCAAAGCCGAGAAAAGATTGAAGTCAAACAGCCGGGC  
 CCATGTGTGTCTTACTCCAGCCGTTGGTGTGTACATGGTGCAGTTTGTGGAGGAAACCTTTACAAA  
 TGTGACTTTATTAGAAAACGCAAAAGCGTTGCCGGGTGCTGACTGATTTTTATTCTGAATGTAAC  
 AAGAAAAGATAAAGAGTATGAAATGTTATTTTTGGTTTCAAATGAAGAAAGGCATAAGCAGATACTGAT  
 GACTATAGGTCTGGAGAGCCTGTGTGAAGACCCCTATTTTAGCAATCTAAGGCAAAAACATGAAAGACCTG  
 ATTCTACTTTTGGCCACAGTAGCTTCTAGTGTGCCCAACTTGAACACTTCGGATTCTACTGTAGCAGCC  
 CAGAGCAGATTAATGAAATTCACAATCAGAGTTTCCACAGGAAGTTGCAAGGCATTGCATGGTGCAGGC  
 CAGGTTATTGGCATATCGAACTGAGGATCATAAAACAGGAGTTGGAGCTGTCATTTGGGCAGAAGCGAAA  
 TCTAGAAGCTCGATGGGACTGGAGCCATGTACTTCATAGGTGCGGGTACAATGCCTTTCCCGTGGGCT  
 CTGAGTATGCCGACTTCCCGCACATGGATGACAAGCATAAGGACAGAGAAAATACGGAAGTTTCAGATACAT  
 CATACATGCGGAGCAGAACGCTTTGACATTTAGATGTCAAGATATAAAACAGAAAGCAAGCAGCATGATT  
 TTTGTGACAAAATGCCCTGTGATGAATGTGTGCTTTAATTAAGGTGCAGGCATAAAGCAGATCTATG  
 CTGGTGACGTAGATGTTGGAAAGAAGAAAGCAGACATCTCGTACATGAAGTTTGGGGAGCTTGAGGGTGT  
 TCGCAAATTCACATGGCAGTTGAATCCGCTGAAGCTTATAGTCTTGACCCAAATGAGCCTGAAAGGAGA  
 GAAAACGGTGTATTGAGGCGCAGGTCTGCAAAGGACGAACAGCGCAGCAGCAAGAGGCCACGTCTGGAAA  
 CCCGCTCTGCAGGATCAGCCACAACCGCTTGT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR217030 representing NM\_001168535  
 Red=Cloning site Green=Tags(s)

MKETDQMSLEGSGAERSVGTQTSMTGQIPRLSKVNLFTLLSLWME LFPGVEAQGQKSQKTEEESRGPL  
 GDNEELTRVSTEEKQVKKTGLVVVKNMKIIGLHCSSDLHTGQIALIKHGSRLKNCDLYFSRKPCSACLK  
 MIVNAGVNRISYWPSDPEISLLTEASSSEDAKLDAKAAERLKSNSRAHVCVLLQPLVCYMVQFVEETS  
 SYKCDFIQKTAKALPGADDFYSECKQERIKIKEYEMLFLVSNEERHKQILMTIGLESLCEDPYFSNLRQNMKDL  
 ILLLATVASSVPLKHFYCYSSPEQINEIHNQSLPQEVARHCMVQARLLAYRTEDHKTGVGAVIWA  
 EAKSRSCDGTGAMYFIGCGYNAFPVGYSEYADFPHMDDKHKDREIRKFRYI IHAEQNALTFRCQDIKPEERSMI  
 FVTKPCDCECVPLIKGAGIKQIYAGDVDVGGKKADISYMKFGELEGVRKFTWQLNPSEAYSLDPNEPERR  
 ENGVLRRRSAKDEQRSSKRPRLETRSAGSATTACF

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

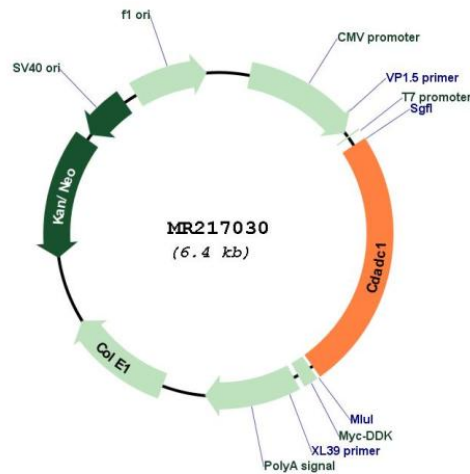
Cloning Scheme:

Cloning sites used for ORF Shutting:



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

Plasmid Map:



<b>ACCN:</b>	NM_001168535
<b>ORF Size:</b>	1575 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_001168535.1</a> , <a href="#">NP_001162007.1</a>
<b>RefSeq Size:</b>	3209 bp
<b>RefSeq ORF:</b>	1578 bp
<b>Locus ID:</b>	71891
<b>UniProt ID:</b>	<a href="#">Q8BMD5</a>
<b>Cytogenetics:</b>	14 C3
<b>MW:</b>	59.6 kDa
<b>Gene Summary:</b>	May play an important role in testicular development and spermatogenesis. [UniProtKB/Swiss-Prot Function]