

Product datasheet for **MR208001**

Cdadc1 (NM_001168537) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdadc1 (NM_001168537) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdadc1
Synonyms:	2310010M10Rik; AI449174; AI463398; BB130816; NYD-SP15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208001 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAAGAAACGGATCAGATGCAGAGTTTGGAGGTTCCGGGGCCGAGAGGTCAGTCGGCACGCAGACGG
 GCAGCATGACGGGTCAAATACCAAGGCTTCTAAAGTGAACCTTTTCACCTGCTCAGTCTCTGGATGGA
 GCTCTTCCAGGAGTGAAGCCCAAGGGCAAAAATCTCAGAAAACCTGAAGAGGAAAGCCGTGGTCCCTTA
 GGAGACAATGAAGAGTTGACCAGAGTGTCTACTGAAAAAACAGGTGAAGAAAACCTGGTCTTGTGGTGG
 TGAAAAACATGAAGATCATTGGTCTTCACTGCTCCAGTGAAGACTTACATACTGGGCAAATTGCTCTCAT
 TAAGCATGGGTCCAGGCTGAAAACCTGTGATCTTTATTTTTCAAGAAAACCATGTTCTGCTTGTGTTGAAA
 ATGATAGTGAATGCTGGAGTTAACCGAATTTCTACTGGCCTTCTGACCCAGAAAATAAGTTTGTCTACTG
 AAGCTTCTAGTTCTGAAGATGCAAAGCTAGATGCCAAAGCCGAGAAAAGATTGAAGTCAAACAGCCGGGC
 CCATGTGTGTCTTACTCCAGCCGTTGGTGTGTACATGGTGCAGTTTGTGGAGGAAACCTTTACAAA
 TGTGACTTTATTAGAAAACCTGAAAAGCGTTGCCGGGTGCTGACTGATTTTTATTCTGAATGTAAC
 AAGAAAAGATAAAGAGTATGAAATGTTATTTTTGGTTTCAAATGAAGAAAGGCATAAGCAGATACTGAT
 GACTATAGGTCTGGAGAGCCTGTGTGAAGACCCCTATTTTAGCAATCTAAGGCAAAAACATGAAAGACCTG
 ATTCTACTTTTGGCCACAGTAGCTTCTAGTGTGCCCAACTTGAACACTTCGGATTCTACTGTAGCAGCC
 CAGAGCAGATTAATGAAATTCACAATCAGAGTTTCCACAGGAAGTTGCAAGGCATTGCATGGTGCAGGC
 CAGGTTATTGGCATATCGAACTGAGGATCATAAAACAGGAGTTGGAGCTGTCATTTGGGCAGAAGCGAAA
 TCTAGAAGCTGCGATGGGACTGGAGCCATGTACTTCATAGGTTGCCGGTACAATGCCTTTCCCGTGGGCT
 CTGAGATGCGGACTTCCCGCACATGGATGACAAGCATAAGGACAGAGAAAATACGGAAGTTCAGATACAT
 CATACATGCGGAGCAGAACGCTTTGACATTTAGATGTCAAGATATAAAACAGAAAGAACGACGATGATT
 TTTGTGACAAAATGCCCTGTGATGAATGTGTGCTTTAATTAAGGTGCAGGCATAAAGCAGATCTATG
 CTGGTGACGTAGATGTTGGAAAGAAGAAAGCAGACATCTCGTACATGAAGTTTGGGGAGCTTGAGGGTGT
 TCGCAAATTCACATGGCAGTTGAATCCGTCTGAAGCTTATAGTCTTGACCCAAATGAGCCTGAAAGGAGA
 GAAAGATCAGCCACAACCGCTTGT

ACGCGTACGCGGCCGCTCGAGCAGAAAAC**T**CATCTCAGAAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208001 protein sequence
 Red=Cloning site Green=Tags(s)

MKETDQMQSLEGSAGERSVGTQTSMTGQIPRLSKVNLFTLLSLWMELFPGVEAQGQKSQKTEEESRGPL
 GDNEELTRVSTEKKQVKKTGLVVVKNMKIIGLHCSSDLHTGQIALIKHGSRLKNCPLYFRKPCSACKL
 MIVNAGVNRISYWPSDPEISLLTEASSSEDAKLDAKAAERLKSNSRAHVCVLLQPLVCYMVQFVEETSYK
 CDFIQKTAKALPGADTDYFSECKQERIKEYEMFLVSNEERHKQILMTIGLESLCEDPYFSNLRQNMKDL
 ILLLATVASSVPLKHFYFSSPEQINEIHNQSLPQEVARHCMVQARLLAYRTEDHKTGVGAVIWAEEK
 SRSCDGTGAMYFICGYNAPVPGSEYADFPMDKHKDREIRKFRYIIHAEQNALTFRCQDIKPEERSMI
 FVTKPCDECVPLIKGAGIKQIYAGDVDVGGKKADISYMKFGELEGVRKFTWQLNPSEAYSLDPNEPERR
 ERSATTACF

TRTRPLEQKLISEEDLAANDILDYKDDDDK**V**

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001168537

ORF Size: 1500 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: 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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [NM_001168537.1](#), [NP_001162009.1](#)

RefSeq Size: 2221 bp

RefSeq ORF: 1500 bp

Locus ID: 71891

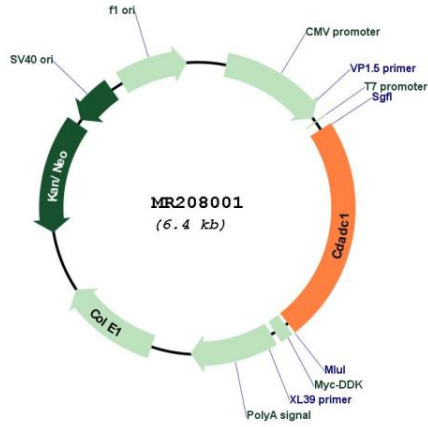
UniProt ID: [Q8BMD5](#)

Cytogenetics: 14 C3

MW: 56.2 kDa

Gene Summary: May play an important role in testicular development and spermatogenesis.
[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208001