

Product datasheet for **MG208001**

Cdadc1 (BC006901) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdadc1 (BC006901) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cdadc1
Synonyms:	2310010M10Rik; AI449174; AI463398; BB130816; NYD-SP15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG208001 representing BC006901
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAAAGAAACGGATCAGATGCAGAGTTTGGAGGTTCCGGGGCCGAGAGGTCAGTCGGCACGCAGACGG
 GCAGCATGACGGTCAAATACCAAGGCTTCTAAAGTGAACCTTTTACCCCTGCTCAGTCTCTGGATGGA
 GCTCTTCCAGGAGTGAAGCCCAAGGGCAAAAATCTCAGAAAACCTGAAGAGGAAAGCCGTGGTCCCTTA
 GGAGACAATGAAGAGTTGACCAGAGTGTCTACTGAAAAAACAGGTGAAGAAAACCTGGTCTTGTGGTGG
 TGAAAAACATGAAGATCATTGGTCTTCACTGCTCCAGTGAAGACTTACATACTGGGCAAATGCTCTCAT
 TAAGCATGGGTCCAGGCTGAAAACCTGTGATCTTTATTTTTCAAGAAAACCATGTTCTGCTTGTGTTGAAA
 ATGATAGTGAATGCTGGAGTTAACCGAATTTCTACTGGCCTTCTGACCCAGAAAATAAGTTTGTCTACTG
 AAGCTTCTAGTTCTGAAGATGCAAAGCTAGATGCCAAAGCCGAGAAAAGATTGAAGTCAAACAGCCGGGC
 CCATGTGTGTCTTACTCCAGCCGTTGGTGTGTACATGGTGCAGTTTGTGGAGGAAACCTTTACAAA
 TGTGACTTTATTAGAAAACCTGAAAAGCGTTGCCGGGTGCTGACTGATTTTTATTCTGAATGTAAC
 AAGAAAAGATAAAGAGTATGAAATGTTATTTTTGGTTTCAAATGAAGAAAGGCATAAGCAGATACTGAT
 GACTATAGGTCTGGAGAGCCTGTGTGAAGACCCCTATTTTAGCAATCTAAGGCAAAAACATGAAAGACCTG
 ATTCTACTTTTGGCCACAGTAGCTTCTAGTGTGCCCAACTTGAACACTTCGGATTCTACTGTAGCAGCC
 CAGAGCAGATTAATGAAATTCACAATCAGAGTTTCCACAGGAAGTTGCAAGGCATTGCATGGTGCAGGC
 CAGGTTATTGGCATAATCGAAGTGGGACTGGAGCCATGACTTCAAGGTTGCGGGTACAATGCCTTTCCCGTGGCT
 CTGAGATGCCCAGCTTCCCGCAGATGGATGACAAGCATAAGGACAGAGAAAATACGGAAGTTGAGATCAT
 CATAGATGCGGAGCAGAACGCTTTGACATTTAGATGTCAAGATATAAAACAGAAAGCAGCAGCATGATT
 TTTGTGACAAAATGCCCTGTGATGAATGTGTGCTTTAATTAAGGTGCAGGCATAAAGCAGATCTATG
 CTGGTGACGTAGATGTTGGAAAGAAGAAAGCAGACATCTCGTACATGAAGTTTGGGGAGCTTGAGGGTGT
 TCGCAAATTCACATGGCAGTTGAATCCGTCTGAAGCTTATAGTCTTGACCCAAATGAGCCTGAAAGGAGA
 GAAAGATCAGCCACAACCGCTTGTGTTT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG208001 representing BC006901
 Red=Cloning site Green=Tags(s)

MKETDQMQSLESGAERSVGTQTSMTGQIPRLSKVNLFTLLSLWMELFPGVEAQGQKSQKTEEESRGPL
 GDNEELTRVSTEEKQVKKTGLVVVKNMKIIGLHCSSDLHTGQIALIKHGSRLKNCPLYFSRKPCSACKL
 MIVNAGVNRISYWPSDPEISLLTEASSSEDAKLDAKAAERLKSNSRAHVCVLLQPLVCYMVQFVEETS
 YKCDFIQKTAKALPGADDFYSECKQERIKIYEMLFLVSNEERHKQILMTIGLESLEDYPYFNLQRNMDL
 ILLLATVASSVPLKHFYCSPEQINEIHNQSLPQEVARHCMVQARLLAYRTEDHKTGVGAVIWA
 EAKSRSCDGTGAMYFIGCGYNAPVGSYADFPHMDDKHKDREIRKFRYIIHAEQNALTFRCQDIKPEERSMI
 FVTKPCDECVPLIKGAGIKQIYAGDVDVGGKKADISYMKFGELEGVRKFTWQLNPSEAYSLDPNEPERR
 ERSATTACF

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC006901

ORF Size: 1499 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: [BC006901](#), [AAH06901](#)

RefSeq Size: 2197 bp

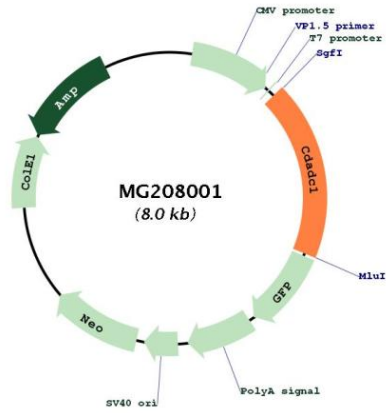
RefSeq ORF: 1499 bp

Locus ID: 71891

Cytogenetics: 14 C3

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

Product images:



Circular map for MG208001