

Product datasheet for **RG217484**

CDADC1 (NM_030911) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDADC1 (NM_030911) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CDADC1
Synonyms:	bA103J18.1; 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:

>RG217484 representing NM_030911
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAAGAAGCTGGGCAGATGCAAAATCTGGAGAGCGCGAGGGCCGGCGGTCACTCAGCACCCAGACTG
 GCAGCATGACCGGTCAGATACCAAGGCTTTCTAAAGTCAACCTTTTCACTCTGCTCAGCCTCTGGATGGA
 GCTCTTTCCAGCAGAAGCCAGCGGCAAAAATCTCAGAAAAATGAAGAGGAAAGCATGGACCTTAGGA
 GATAATGAAGAGAGGACCAGAGTATCTACTGACAAAAGACAGGTAAGAGAACTGGTCTTGTGGTGGTGA
 AAAACATGAAAATTGTTGGTCTCCACTGTTCTAGTGAAGATTTACATGCCGGGCAGATTGCTCTTATTAA
 ACATGGGTCAAGGCTGAAAACTGTGATCTTTATTTTTCCAGAAAACCATGTTCTGCTTGTGGTAAATG
 ATTGTAATGCTGGAGTTAACCGAATTCATACTGGCCTGCTGATCCAGAAATAAGTTTGCTTACGGAGG
 CTTCTAGTTCTGAAGATGCAAAGTTAGATGCCAAAGCAGTGAAAAGATTGAAGTCAAACAGTCGGGCCCA
 TGTGTGTGCTTACTTCAACCTTTGGTGTGTTATATGGTGCAGTTTGTAGAGGAGACCTTTACAAATGT
 GACTTTATTCAAAAAATTACAAAAACATTCGCCGATGCTAACACTGACTTTTATTATGAATGTAAACAAG
 AAAGAATAAAAAGAAATGAAATGTTATTTTTGGTTTTCAAATGAAGAAATGCATAAGCAAATACTGATGAC
 TATAGGTTTGGAGAACCTGTGTGAAAATCCATACTTTAGCAATCTAAGGCAAAACATGAAAGACCTTATC
 TACTTTTGGCCACAGTAGCTTCCAGTGTGCCGAACCTTAAACACTTCGGATTTTACCGTAGCAATCCAG
 AACAGATTAATGAAATTCACAATCAAAGTTTGCACAGGAAATGCAAGGCACATGCATGGTTCAGGCCAG
 GTTATTGGCATATCGAAGTGAAGATCATAAAACAGGAGTTGGGGCAGTCATTTGGCAGAAGGAAATCT
 AGAAGTTGTGATGGAACAGGTGCCATGTACTTTGTAGGATGTGGTTACAATGCTTTTCTGTTGGATCTG
 AGTATGCTGACTTCCCACACATGGATGACAAGCAGAAAAGACAGAGAAAATGAAGAAATTCAGATACATCAT
 ACATGCGGAACAGAATGCCTTGACATTTAGGTGTCAAGAAATAAAACCAGAAGAAAGAAGCATGATTTTT
 GTGACAAAAGTGCCCATGTGATGAGTGTGTACCTTTAATTAAGGTGCAGGCATAAAAAAATCTATGCAG
 GAGATGTAGATGTTGGAAAAAGAAGGCAGACATCTTACATGAGGTTCCGGGAGCTTGAAGGTGTTAG
 CAAATTTACGTGGCAGCTGAATCCATCAGGAGCTTATGGTCTTGAACAAAATGAGCCTGAAAGGAGAGAA
 AATGGTGTGTTGAGACCTGTCCACAGAAGGAAGAGCAGCACCAGGACAAGAAGCTGCGCCTCGGAATCC
 AC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG217484 representing NM_030911
 Red=Cloning site Green=Tags(s)

MKEAGQMQLNESARAGRSVSTQTSMTGQIPRLSKVNLFTLLSLWMELFPAEARQKQKQKNEEGKHGPLG
 DNEERTRVSTDKRQVKRTGLVVVKNMKIVGLHCSSEDLHAGQIALIKHGSRLKNCGLYFSRKPCSACLKM
 IVNAGVNRISYWPADPEISLLTEASSSEDAKLDKAVERLKSNSRAHVCVLLQPLVCYMQVFVEETSYK
 DFIQKITKTLPDANTDFYFECKQERIKYEMLFLVSNEEMHKQILMTIGLENLCENPYFVSNLRQNMKDLI
 LLLATVASSVPNFKHFGFYRSNPEQINEIHNQSLPQEIARHCMVQARLLAYRTEDHKTGVGAVIWAEGKS
 RSCDGTGAMYFVGCYNAFPVGEYADFPHMDDKQKQDREIRKFRYIIHAEQNALTFRCQEIKPEERSMIF
 VTKCPCDECVPLIKGAGIKQIYAGDQVGVGKKKADISYMRFGELGVSKFTWQLNPSGAYGLEQNEPERRE
 NGVLRPVPQKKEEQHDKKLRLLGIH

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_030911

ORF Size: 1542 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_030911.4](#)

RefSeq Size: 3364 bp

RefSeq ORF: 1545 bp

Locus ID: 81602

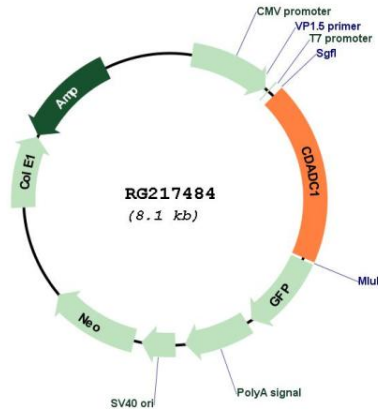
UniProt ID: [Q9BWV3](#)

Cytogenetics: 13q14.2

Domains: dCMP_cyt_deam

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

Product images:



Circular map for RG217484