

## Product datasheet for **MC203097**

### **Dcdc2a (NM\_177577) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dcdc2a (NM_177577) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dcdc2a
Synonyms:	AW492955; Dcdc2; RU; RU2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC045136  
 CCGGCTCGCGCAGGGGTTAAAGCCCGAGCGGCGTGGGTTCCCAGACTGCACACCTGGATGCTTCGGGGC  
 GGGGGAGACAGGTGTGCGAGCCTGCGAGCGCTGATTGGCCGTCCGTGCCGCGCTTCCTTGAATTGCTAC  
 CTGCTAGGGCTGGCCCCGAGCCCTTCTCACCTGCCGTAGCTTTCTTGTCCCTGCAGGAGGCGGTCC  
 ACGAGCTGCTGTTGCAGGCCGTGGAGTGTTCGGGGCTCGGCGTCCCAGGAGAAGATGAACGGTCCCA  
 GCTCCAGGTCCAGCCACCTGTCGAGCCGGTGGTGAAGAGTGTGCTGGTGTACCGCAATGGGGACCCCTT  
 TTTCCGGGGCGGCGTGTGCTCATTACAGAGAAGAAGGTGCCAGCTTCGATGTCTTCTCAAAGAAGTG  
 ACTGGCGGTGTGACGGCGCTTTTGGGGCGTTAGGAACATCTACACCCGAGGACGGGCCACCGCATCC  
 GAAAACCTGGACAGATAGAGAGCGGGGCAACTATGTGGCTGGGGCCCCGAAAGCGTTCAAGAACTCAA  
 TTACTTGGACATAGGCGAAATCAAGAAAAGACCAATGGAAGCTGTGAATACCGAGGTGAAACCTGTCATT  
 CACAGCAGGATCAACGTGTCCGCCCGCTTCCAGGAAGTGCCTGCACGAGCCCTGCACCATTTTCTTGATTG  
 CAAATGGAGACCTATAAGCCCGGCTTCTCGCTCCTCATCCCTAAAAAGCTTTAAATCAGTGGGATCA  
 TGTACTACAAATGGTACAGAAAAGATAACTCTCCGGAGTGGGGCTGCCACAGGCTATATACGTTAGAA  
 GAAAAGCTGGTTGAGAGTGGAGCAGAACTGGAGAATGGGCAGTTCTATGTGGCCGTGGCAGAGATAAGT  
 TTAAGAGACTACCGTACAGTGTACTTTTTGACAAGTCAAGTGAAGGAAAGGCTTACGGTCCAGAAAGC  
 GTCTTCACTACCTCCCATGGTTGGATCCAGGAAGTCTAAAGGGAGCGGAAATTATCGGCAATCCAAGTCA  
 ACCATCGGGTCTAGTGATAACTCATCTCCTCAGCCTCTGAAAAGGAAAGGAAAGAAAGACTCAAACCTCAG  
 AAAAAACCCAGAAAGTGAACAGAGTGTGAAGTGAAGACTTCCCACCAAGCAATCCCAGACAATGGATG  
 GCTCATAAAAGTGGAGAGAGATACTTGCCTCAGGCCACAGCTGGATGAAACAGAAATAGAGTGACTGCT  
 TTGCCTCCCTACCCATGGTCCATCCACACAAGACATATGTGGGATGCTCCGGGTGAAGACAGATGAAAA  
 AGGTACCAATAAAGCCAGCCGACGTATGGACTCCATGTGACATGAAGAGTCATGTGGGATCCACAG  
 ATGCAGGGCAGCGCTTAGAGGATGCCACCCAGATGCCTAAAGCGTTAGATAAAGACAAGTTATCTAAGG  
 TCAAAAAGAGAAAATCAAAATGATCTGACAGCCTGGTCAGGAGCCGAGACTGAGGCTGGGGGTGAGGATC  
 TTAAGTTCAAGGCTAGGCTGGAGAGTTTAGTGAGTCCCTGTTTCAAAATATAAGAAAAGGGCTGAGGATAC  
 AGCTCAGTAGTAGTACTTGTCTATCTGCACGAATCCCTAGGTTCACTCTCCAGGGCTGCATCAGGCA  
 AAAGCACGGGATAAATGCACGGCTCCCCGAGAAGAAGGGGCTCCAATCTCCGGTTTCTACTGTGGAGA  
 TTAGCCAGCAGTCAGGCTTGCTGGGCTCCATCCTCCTGCCGTTAGCTAAGAGGTCCACTTTCTCCCTCCC  
 TCCCACTGTCTCATGGTCTTCTCCTAACTGTGAGCTCATGCTGTAATTTTTCTCACTACTTTGCATGT  
 CCATAGCCTGTAGTATTCCTTTTCCAGAGATCAGTCATCAGGGAGGTGAGGATGAAATATAGGTGGCAGGTA  
 TTAAGGTTGCCTATTGTATAGCAAGAAAAGACAGAAGATTAAGTGAAGTGGGAAAACAGGCCATTTTTGA  
 AAGCTAAAAACAACAGAGCCTTTATTTTGTAAACATGTATTGCGCTTTTAAAGCCCTGAGACTGTGTAC  
 GCACTGTGGCTTACTAGTGCTTTGTTGAGCCAAGATTTTACTCTTGTGTTAGGTTGACTGGGAACTACTA  
 TGCACTCAGGCTGGTCTCAAACCTCATGGTAATCCTCCTGCCTTAGCCTTCTGAGTGCTGGCATGAACCT  
 TTGTATCTAGTTTCTTTTAAAAAATTCTCAACGCTAGCCTAGGCTAATAGAATCAAGGTGTTTAAATTA  
 ATATATATTGGCCAAATAAATGGTGAAATTAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_177577

**Insert Size:** 1107 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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:** [BC045136](#), [AAH45136](#)

**RefSeq Size:** 2370 bp

**RefSeq ORF:** 1107 bp

**Locus ID:** 195208

**UniProt ID:** [Q5DU00](#)

**Cytogenetics:** 13 A3.1

**Gene Summary:** This gene encodes a member of the doublecortin family. The protein encoded by this gene contains two doublecortin domains. The doublecortin domain has been demonstrated to bind tubulin and enhance microtubule polymerization. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Sep 2010]  
Transcript Variant: This variant (1) is the longer transcript and encodes the longer isoform (1).