

Product datasheet for **RN202715**

Dcdc2 (NM_001106110) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dcdc2 (NM_001106110) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dcdc2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN202715 representing NM_001106110
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAACGGTCCCAGCCCCAGGTCCAGCCACCTGTGCGAGCCGGTGGTGAAGAGTGTGCTGGTGTACCGCA
 ATGGGGACCCGTTCTTCGCCGGGCGCCGGTCGTCATTACAGAGAAGAAGGTGCCAGCTTCGACATCTT
 CCTCAAGGAAGTGACCGCGGTGTGCAGGCTCCCTTTGGGGCAGTTAGGAACATCTACACCCGAGGACG
 GGCCACCGCATCCGGAAGCTGGACCAGATAGAGAGCGGGGCACTACGTGGCTGGGGGCCAGGAAGCTT
 TCAAGAACTCACTACTTGGACATAGGAGAAATCAAGAAAAGACCAATGGAAGCTGTTAACTGAGGT
 GAAGCCTGTCCACAGCAAAATCAACGTGTCTGCCGATTAGGAAGGCGCTGCATGAGCCCTGTACC
 ATTTTCTTGATTGCAAATGGAGACCTATAAGCCAGCTTCTCGCTCCTCATCCAAGAAAAGCTTTAA
 ATCAGTGGGATCAGTACTACAAATGGTCACAGAAAAATAACTTTCGGAGTGGGGCTGCCACAGGCT
 GTATACATTAGAAGGAAAAGTGGTTGAGAGTGGAGCAGAGCTGGAGAACGGGCAGTTTTATGTGGCCGTC
 GGCAGAGATAAGTTAAAGAGACTACCGTACAGTGAGTTACTTTTTGACAAGTCAAGCAATGAGAAGCCCTT
 ATGGTCAGAAAAGCTTCTCACTACCTCCATGGTTGGATCCAGGAAGTCTAAAGGGAGCGGGAATTACCG
 ACAATCTAAGTCAACCATTGGCTCCAGTGATAACTCATCTCCTCAGCCTCTGAAGAGGAAAGGGAAGAAA
 GACTCAAATTCAGAAAAACCCACGAAAGTAAACAAAGTGTGAAGTCAAGAAATCCCACCAAGCAATTC
 CAGACAACGATGAAGGCATTTTCAAAGCTGGAGCAGAGAGATCTGAAACGAGGGGGCAGCAGAAGTTCA
 GGAAGATGAAGACTCAGGTTGAGGTACAGTGGACCAGAGGCCAGCAGAAATAGTTGATGAGGAAGAA
 GATGGAGAGAAAAAAGCAAGCAAGATGCCAACCAGAAGGATGACTTTTCAGCAATGAACGGTGAAGCTGAAG
 ACAGACCGGGGAGTAAAGTAGCCGATGCCCTGAGGAGGAGGAGGAATCCAGACCAAGGGGAGAAGAA
 GGCAAGTCCCTCTCGGGTAAATGGTGGCACTGACGAAGAGAATGGTGAAGAAATGGACCAGGTTACCGAG
 GAGCTTACGCCAACAGTGGATGAGAAAAGGAAAGGCTGAAGGAGACAACAGTGCACAGATGAGGCTGGTT
 TAGATGCTCAAAGACCACCAAGACCAGAAGTGACAGTCCAGCCCTCAAGAGAACGAAGGGAATGAATC
 AAACAAAGCCTTCTGCTGTGGC**ATAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001106110

Insert Size: 1428 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: [NM_001106110.2](#), [NP_001099580.2](#)

RefSeq Size: 6788 bp

RefSeq ORF: 1428 bp

Locus ID: 291130

UniProt ID: [D3ZR10](#)

Cytogenetics: 17p11

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. Knockdown of this gene expression results in neuronal migration disorders similar to those seen in the brains of dyslexics. [provided by RefSeq, Sep 2010]