

Product datasheet for **RN215191**

Dcdc5 (NM_001114621) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dcdc5 (NM_001114621) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Dcdc5
Synonyms:	RGD1562221
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN215191 representing NM_001114621

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGAGCGATCGGAACAAGAGAAGAAGCAGCAAGGGGAAAAATAGAAGCCTTGGTGTCACATAAGGTTTATC
CCCAGTTTGCCCTGACTTACCTGGAGGAATTAAGTGTCAAGTGGATGTGAGCCAGACAGAGGACAACAT
TCCGCTTGGAGCCTGGACCACCACTCATCAAGAACAGTGTGTGGAAGAGGTCGGTGTGAGAGACAGAGTG
GAACAAGTGTGGGCCATGAAAGCCTGGGGCATAGCTAAGCAGTCGCTGGAAGGCAGGCCTCCCTCGGAGC
TCACTGCAGCCTGCAGAAGTTTGGAGGCTTATCTTGATCAGGTGAAGTTGGAGAAGTCAGGCTGGTGGTC
CACAGAGCGCAGAGGGACCAGTAAGCTCAGCCCATGAAACACTCCAGCGCTGACAATCCTCTGTGGAAC
AAGCTGACATACATGTGGTCAGTACCTCCAGCAGTGAACCATCACCACCACTGAAGTGAATCCAGT
TCTTTGAGTTTGTGACAAGACGTGTTGAGAATACAGTGTGAGGGACTGAAGAGAAATGTTAATGCTGA
AAGGAAAGAGAAAAGCCATGCCATGAAGTATTCTGAAACAGAAAGATACCAGATTGAATTCACCATCTT
TTGGAGAGGTGCACCAAGTTTTGAATTTACCTTCTGCTGCTCGGAGACTTTTCAGTGAAAAAGGGAAGG
AACTTTTTTCCCTGGAAGACCTACAGAGAGATGAAGTGGTATATGTTTCATGTGGAGAACACTGGATCAA
TCCTGACCTCTCCATTGCTCAACAGAAAAAGCAAGTCTTCCTAAGGAGCCTTGAGTTAGACATTTCCAAG
ATTAACCTTTTGCAGCATGCACAAGTGGAAGTGTCTACAGTCATAAGTATAAGTCTTTGCAACTTG
TCCATTTCTTCTCAGCTCTTGTGTTTGAAGTTCAAAGTGACCTTTCGCTGCGGGGGCAAGCTTGCCGTGAA
TAAACCTGCAGCAGATTTTGAAGAGGAGAAACAAGGGAAGAACCAAGGGGAGGCAGCTGGGAAATGCT
GCTTTAATAACAGGGGATGCTCCAGAGAGACTCTAGATTCACATGCGAGAGCCCATCTCCGATGGAAG
CCTGTGCGCAGGACGCTCAAGTATGCTTGGCAAGACCCTTCGTACAGCCTTGCTGCTGATGGCAGCCTTCC
AAAGAAAGCAGAGAAAGAGCCCTTTGAAAATGTGCAAGCCCCAAAGAAACACAGGACCTTTCATCTGGTG
AGTAACCCAGACCTCGTACTGGCAGTGTCTATGACCAAAGCTAAAAGTGAAGCCTGTGGCTATCCAGTTA
TCATTGAGAAATATAAACCATACAGCAATGGGGCTGCCAATCAGAAGTGGGATTACATGAAAAAGGAGAG
AGCATTACAGCCTTCCACAGCAGAGCCTGGACAAGCAATCACCAGCGCTAATTTCTTGGCCTTTGCT
ACGCTTCTGTCACTAAAGAAAACATCGAACAACCTGGATACTCTTATATCTACCCGATGGAAAGAGAA
AACTCATGCTCTGCCTGGCTTGGGAAGGTCCCTGAGGGCAAACTGGAGCTGAAGGAGCTGCTCCAG
GGCTTCATTCTCTGTGTTTCAAGCTCGGAGCAGAAGTTCGAGCTACCCGGGCTTTCAAGGTCATCAGT
GTTGCAAGGCTGATTTATCTTCTCCGAAGCTGAAGACACTCTAAGATATTATGAAAAGCGTCTGTGAT
CTTTACGATGAAGACAGCAGCATGCAGTGCATCTCACGTTGGTGTGGCAGCTTCGTGCCAGAAGGCGGT
GAAAATCATCGCATACAAAAATGGGAATGGATATCGGAATGGGAAGTTGATTGTGGCTGGAACATCCAT
GGGCTTCTTGAGAGTGCACAGAACGACTTCAGCTCACCAGATCGGCTTCCAAAATCTACACCAGAGATG
GAATACCATCCTCACCTTGCATGGCTTGGTCTGTGGGCTATAAGAGAAAACTTACCCAGAGAGACCC
TAGCGGGCAAGAGAAAAGCAGGAGTCTGTTGGGACAGAAAGCATAGCTGTTCAAATACAGAAGAAAGC
TCAGGAAGGAGAACGGAGAGCAGATTGGATTTTGTGGAGGGCATAGATAAGTCCCTGCTTGTCTATGTC
TCAGAAGCCCTGTTGCTGTGTGGGTGCTTGTGGTGAGCCGTTTCTGCCTCTAAATGCTCCATGGAATC
AGAAAAATTAAGAAAACAAAACCTGGCTGAAGAGGGCCAAAGTTTGGCTGAATTGGACACCATGAAACAC
AAGGTGCGACAGTTGAAAGGGCGCGAGTAGCAGCCTGTGAGCCAGCCGTGATGGTCCCCACCGGAAGCC
CTCTGCAGCCAGTAGTAGTTGAAGGAGGCTGGACTGAGCAGACTCAAGAGGAAACAAAGCTCGTGGAAT
GATAAGACAGACAGAGGCACACCTTTCTGAAGGCCAAGAACTACAGTCCAGGCGCTCTCTGACGGAAGCT
CAACGTGCAGCAGAGAGTCAAGCAGCCTGTACCAGGCTCCCGAGTGAAACGAGTGTGGGCTTACCAGA
ATGGAGGCAGACCCGAGGATGGCAGTATGTCTGTGCCAGTGTCTTCCAGAGTTGCTGGATGATTGCAC
GGCTCGTCTGAAAATGTCCACCCAGCCAAAACCTTTTATACCTCAAATGGGAGCTCATTGAGTATGG
GACGAAATAGAGAAGGTATGGCTGTCTGCGTGTCCGAGGACATGGCTTTATAACCTCAAAGGTACAG
ACGCGGTTGTCCATGGCACCTTCGTGGCAAGGTTTTGCGAGTTTCCAAGTTGCC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:	NM_001114621
Insert Size:	2859 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:	<u>NM_001114621.1</u> , <u>NP_001108093.1</u>
RefSeq Size:	2859 bp
RefSeq ORF:	2859 bp
Locus ID:	295980
Cytogenetics:	3q33
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. [provided by RefSeq, Sep 2010]