

Product datasheet for **RG231457**

DCDC1 (NM_020869) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DCDC1 (NM_020869) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DCDC1
Synonyms:	DCDC5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG231457 representing NM_020869
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGCCTGTCCTTCCCAGTGGCCAATTAATGAGGAGTTTGATTGGCCAATACAAGGACTGCTTGTTCCGAGCAGTCTCCATGAAGAAACCCATCTGTAAGACAACAGAGCCATATGCCCTGTGCGACTCAGAGT
 TTTGCAGAATGGAGAGAAGAATAAAAACAGATCCGTTACTATCCTTGGTCCAGATATCTCACCTGGACGG
 AAAACGCAGTGCAGTGGATTTTAAATTTACCTTCTGCAGCTCGGAGATTGTACAATGAAAAGGGGAAGG
 AAATATTTGCCTTAAAAGACCTGCAAAGAGATGAACTGGTGTATGTTTCATGTGGAGAAGTCTGGATCAA
 TCCTGACCTGTCCATTGCTCAGCAAAAAGAAACAAATATTCCTGAGGAACCTAGAATCAGACATTGCCAAA
 ATTCAAATCTTCTGCAGCACACATAAAAAGTAGAGCTCTGTTTTAGAAAGTCCAAAGTGACATTGTATCTG
 GAAGCAAGCTTGTGTGCATAAACCTGTAGCAATTTTTGGAGAAGAGAAGCAAGTTACAGAACCAGGAAGA
 AAAGCAAAATGCAAGAAGATCCTCTAACACGGAAAATGCTTCCAGTAAAATCTAGATTCACACGTAAGA
 GCTCATCTTCAATGAAGGCTTGTACACACTTCCCAGGTATGCCTGGCAGGAAAACCTCAGATGACTTTG
 ATGAGGATGACAGTCTTCCAAAGAAAACGGAAAAGGGCTCTTTGAAAATGTGGAACACAGAAAGAAACA
 CAGCTGTTACCAAAGCATAGTAAATGCAACAAGCATTGTATCAGCAGTTTCAATACAGAGATGGGCGAG
 ATTATAAGCCATGCTGCTCCTCAGTAGTCTTGGGGTTCAAGGTCCCAATCTCCGATCAGGCATGGAGG
 TGGTTTTGGTGGAGAAGAAATCTGATGGTAGTCATCAGCGCTGGATACACCAGGAAGACAGCAGGACCTT
 TCACCTTGAGTAACCTGACCTTGTGCTGGCAGTGTCTATGACCAAGACTAGAATGAAGTTTGTGGC
 TATCCAGTTATTGTTAGAAAATAAAGCCGTACAACAATGGAGCTGCCAATCAAAAGTGGCATTACATGA
 AAAAATAAAAAGCACTTGTGGCTTTTATAGCACTGCTTGGATAAGGAAATACATGCAAAAATTTATGC
 TGGTGTCTGTACATCATCTGTGATTAAGAAGAAAACATTGATCAACCAGGATACTGTTATCTCTACCT
 GATGGAAGAGAAAAACTATGCTCTGCTTGGCTTGTGGACAATCCATGAGAACAGAGAAAGGACTGAAAC
 AATTGCTTCCAGGGGTTCCATTCTCTGTATTTACAGCACCAAGACTCAGAAGCCCTTCTTACAAGGGCC
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 CAAGCAGTCTATTGCTTTACGGATGAAGACCTGCACGCAAGCTGCATCTCACAGTGGCATGGCAGCCA
 CACACCAGAAGGCAGTAAAATAATTGCATACAAAAATGGGGATGGGTATCGTAATGGGAAGTTAATTGT
 GGCTGGAACATTTCCCATGCTTCTTACAGAATGCACGGAACAACCTGGGCTTCCAGAGCAGCCTCCAAA
 GTATATACCAAAGATGGAACCCCAATCTTTACCTTGCCTGATTTGGTTTTATGGGCTCTAGATGAATCCT
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 GGAATCCAAAATAAATTTCCAATTGCAACCAACGATAGCAGTCAAGCCGAGCAACCTGTATAAGCAG
 CCCAACACAAAACGAGTGTGGATTTATCTAAATGGAGGCAGACCTGAAGATGGCACTTATGCCTGGGGCA
 AAATATTTAGAGCTGTGCAAGACTGCTCCTCTCGTCTCAAAATGACCCACCCAGCTAGAGCACTGTA
 CACCCAGTGGAGAGCCAATTCAGTCTGGGACGACATAGAGCGAGATATGGTCATCTGTGTGTATG
 GGACATGGTTTTAAAACCCAAAAGAGTTAAAACAACCTGATGGAGATCAGAGCAAAATATGCCAGAAATCC
 GAAGGCAGCAGGGCCCTCAAGCCACAGACATTGTGGTGTACCATCCACGAAGCTGTGTCTCTGGCACA
 TCTCCACAAT

ACGGTACGGCGGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG231457 representing NM_020869
 Red=Cloning site Green=Tags(s)

MWPVLPSQLNEEFDWPIQGLLVPSSPPMKKPKICKTTEPYAPVRLRVLQNGEKNKNRSVITLGPDISPGR
 KTQCTEILNLPAAARRLYNEKGKEIFALKDLQRDELVYVSCGELWINPDLSTIAQQKKQIFLRNLES DIAK
 IQIFCSTHKIEALVLEVQSDIVSGSKLAVHKPVAIFGEEKQVTEPEEKQMEDPLTTENASSEILD SHVR
 AHLRMKACHTLPRYAWQETSHDFDEDDSLPKKTEKGLFENVPEQKKHSCSPKHSLHKHCHQQFEYRDGQ
 IISHAAPQLVLGVQGNLRSMEVVLVEKKS DGS HQRWI HQEDSRTFHLVSNPDLVLAVSMTKTRNEVCG
 YPVIVQKYKPYNNGAANQKWHYMKNIKALVAFHSTALDKEITSANYAGVCTSSVIKEENIDQPGYCYLSP
 DGKRKTMCLACGQSMRTEKGLKQLLPGVPFLCISGKTQKPFQGPVKVISA EVDLSCDKAEKLSYY
 QARLLSLRMTCTQAASHSGMAATHQKAVKIIAYKNGDGYRNGKLI VAGTFPMLLTECTEQLGLARAASK
 VYTKDGTPIFTLRDLVLWALDESFLQRDSEKQKQDAAPVGKEQIIVEKNPRMKVKNR LFAKSVTSDSLDG
 IDKSLTTLILRNPIAIWVSCGEPFLPPNALQKAEKLEKQNLKKDRILADLDMRHKMRQLKGRV AACQ
 PATMVPTKSPVQPVVVEGGWTEQTQOEIKLMELIRHTEAHLSEIQEMESKINFPIATKRIAVKPSNLYKQ
 PNTRKRWIYLNNGRPEDGTYAWGKTISELLQDCSSRLKMTHPARALYTPSGEPIQSWDDIERDMVICVSM
 GHGFKTPKELKQLMEIRANYARIRRQGPQATDIVVSPSTKLLSLAHLHN

TRTRPLE - GFP Tag - V

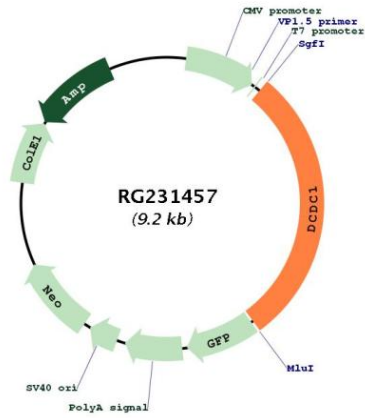
Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN:	NM_020869
ORF Size:	2670 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:	<ol style="list-style-type: none">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_020869.3 , NP_065920.2
RefSeq Size:	4773 bp
RefSeq ORF:	2673 bp
Locus ID:	341019
Cytogenetics:	11p13
Gene Summary:	This gene encodes a member of the doublecortin family. The protein encoded by this gene is a hydrophilic, intracellular protein. It contains a single doublecortin domain and is unable to bind microtubules and to regulate microtubule polymerization. This gene is mainly expressed in adult testis. It does not have a mouse homolog. [provided by RefSeq, Sep 2010]

Product images:



Circular map for RG231457