

Product datasheet for **RG221749**

DCDC1 (NM_181807) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DCDC1 (NM_181807) 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)
ORF Nucleotide Sequence:	>RG221749 representing NM_181807 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAAAAACAGGAGCAGAAGATCACAGAGAAGCACTATCTCAGTCTTCCTTATCCCTCTTGACTGAAG
CAATGGAAGTATTACAGCAAAGTAGCCCTGAAGGCACTTTGGATGGGAATACTGTAACCCCAATTTACAA
ATATATTTTGAATGATTTACCAAGAGAGTTTATGTCATCCAGGCAAAAGCAGTTATTAACACTACTGAT
GATTATTTGCAGTCTCAGTTTGGCCCCAACAGACTCGTGCATTACAGCAGCAGTATCAGAAGGGTCAGGAC
TTCAAGATTGCTCCACACATCAAACAGCATCAGATCACAGCCATGATGAAATATCAGACCTAGATAGCTA
CAAATCAAACAGTAAAAACAATTCCTGTTCTATATCAGCATCCAAGAGAAACAGACCTGTGAGTGTCCCA
GTGGGTCAACTGAGGGTTGCAGAGTTCTCTTTAAAAATTTTCAGTCAGCCCGGAATTGGCAGAAATTTGT
CTCAAAGACACAACTTCAACCAAGAGTGATTAAGTAACAGCTTACAAAAATGGATCTAGAACAGTCTT
TGCCAGAGTTACTGCACCAACCATCACCTTGCTGCTGGAAGAGTGCACAGAAAAGCTGAATCTGAACATG
GCCGCAAGACGAGTGTCTTGGCAGACGGCAAGGAAGCCCTCGAACCTGAAGATATACCCCATGAAGCCG
ATGTTTATGTTTCAACGGGAGAGCCCTTTTTAAATCCATTCAAAAAAATTAAGACCATCTGTTGTTAAT
TAAGAAAGTAACCTGGACAATGAATGGGTTGATGCTTCTACTGATATCAAAAAGACGGAAAACCAAGCCT
GTTCTTTCTATTAGAATGAAGAACTTACTGAGAGGACCTCAGTCCGAATTCTGTTCTTTAAGAATGGCA
TGGGGCAGGATGGGCATGAGATTACAGTGGGAAAAGAAAACAATGAAAAAGGTTTTTAGATACTTGTACAAT
AAGAATGAATCTAAATTTACCAGCCAGATATTTTTATGATTTGTATGGCAGAAAAATTAAGATATTTCA
AAGGAAAGCAC

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG221749 representing NM_181807
Red=Cloning site Green=Tags(s)

MAKTGAEDHREALSQSSLSLLTEAMEVLQSSPEGLDGNVTNPIYKYILNDLPREFMSSQAKAVIKTTD
 DYLQSQFGPNRLVHSAAVSEGSGLQDCSTHQTASDHSDEISDLDSYKSNKNNSCSISASKRNRPVSA
 VGQLRVAEFSSSLKFQSARNWQKLSQRHKLQPRVIKVTAYKNGSRTVVFARVTAPTITLLLECTEKLNLNM
 AARRVFLADGKEALEPEDIPHEADVYVSTGEPFLNPFKKIKDHLLLIKVTWTMNGMLMLPTDIKRRKTKP
 VLSIRMKKLTERTSVRILFFKNGMGQDGHEITVGKETMKKVLDTCTIRMNLNLPARYFYDLYGRKIEDIS
 KGKH

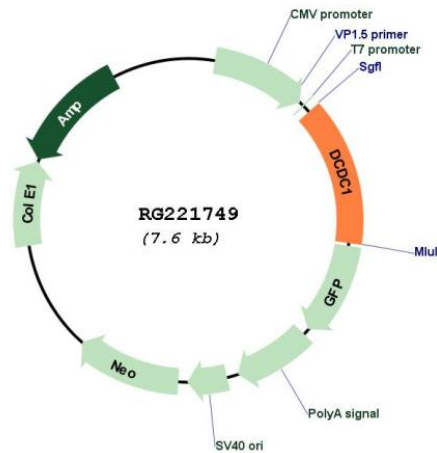
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_181807

ORF Size:	1062 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_181807.1 , NP_861523.1
RefSeq Size:	1719 bp
RefSeq ORF:	1065 bp
Locus ID:	341019
UniProt ID:	Q6ZRR9
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]