

Product datasheet for **MG226987**

Dcdc2b (NM_001195730) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dcdc2b (NM_001195730) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Dcdc2b
Synonyms: Gm1366; Gm12964; OTTMUSG00000009523
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG226987 representing NM_001195730
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCAGCCAAGAGGATATTGGTGTATCGAAATGGGGATGCCTTCTTCCCAGGCCACCAGCTGGTGGTGA
CCCAACGCCGCTACCCACCATGGAGGCTTTGCTTTATGAGGTGACATCAGCTGTGCAAGCCCCGCTGGC
TGTACGTGTCCTTACACACTTAGTGATGGCCACCCTGTACCAACTGGCTGACCTACAGAACGGAGGA
CAGTATGTGGCTGCTGGCTTTGAACGATTCCACAAGATCCAGAGTCTCGGGGATCCTTCCCCTTACTTG
CTGTTCTCTGTCTCAGTGTGTTCAAGAACGGGACCTGCTAAGTCCCCCTTTAGTCTAAAGCTGTCCCA
GACTGCCATCCAGGACTGGGACACGGTGTGAAGCTGCTCAGTGAGAAGGTTACGTTACAGAGTGGGGCT
GTACACAACTCTGCACCTCGAGGGGCTTCCACTGTCCACAGGGACTGCTCTGGTGAACGGCCATTACT
ACGTGGCTGTTGGAGAAGAAGAATTCAAGGCCCTGCCCTATATGGAGCTGCTGGTGGCCAGCCCCCTCT
GTCCAGGGGCTGCTGGTGTCTCCAGGCCTGAAGTACAAAGCCCACAGGAAGAGGGTCCAGGGCTACAAG
GCCTCAGCAGCCAGCCTTTTCCAAGGAGCCAGGGGAACTGGGCCATCCACTTTCTATGCCAGCCCC
AGCAGCCTGGAGCAAGCTCCCTGCTCTCATCTCCATCAGGAGTTACGGGAGTGTATGGGGCTCCATA
CCCAGGAAGGAGACGGCTGGGGCTCAGGAAGTGAATGAGGATGAGAACACACGCACAGAGGAGCCTGTG
GATCAGCCAGCCAAAGCACTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG226987 representing NM_001195730
 Red=Cloning site Green=Tags(s)

MAAKRILVYRNGDAFFPGHQLVVTQRRYPTMEALLYEVTSAVQAPLAVRVLVYTLSDGHPVTNLADLQNGG
 QYVAAGFERFHKIQSLGDPSPYLAVLCLSVFRNGDLLSPFSLKLSQTAIQDWDTVLKLLSEKVTLQSGA
 VHKLCTLEGLPLSTGTALVNGHYVAVGEEEFKALPYMELLVPSPSLSRGCWCPPGLKYKAHRKRVQGYK
 ASAAQPFKPEGETGPSTFYARPQQPWSKLPALSSPSGVTGVYGAPYPRKETAGAQEVNEDENTRTEEPV
 DQPAKAL

TRTRPLE - GFP Tag - V

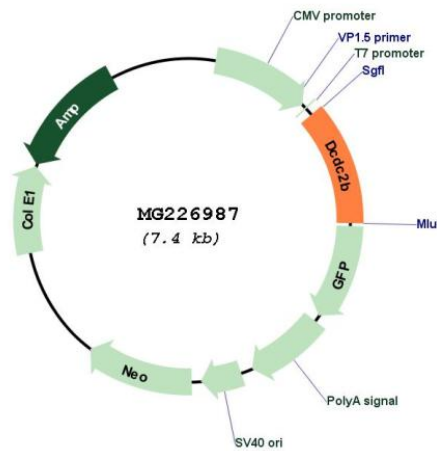
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



ACCN: NM_001195730

ORF Size: 861 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_001195730.2
RefSeq Size:	864 bp
RefSeq ORF:	864 bp
Locus ID:	100504491
Cytogenetics:	4 D2.2
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, Oct 2011]