

Product datasheet for RC221439

DCDC2B (NM_001099434) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DCDC2B (NM_001099434) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	DCDC2B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC221439 representing NM_001099434 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGCAGGTGGCAGTCCAGCAGCCAAGAGGGTAGTGGTGTACCGGAATGGGGACCCATTCTCCAGGCTCCCAGCTGGTGGTACTCAACGCCGCTTCCCCACCATGGAGGCCCTTCTCTGCGAGGTGACATCAGCTGTGCAGGCCCCACTGGCTGTGCGTGCCTCTACACACCTTGTATGGCCACCCTGTCACCAACCTGGCAGACCTTGAAGAAGCAGAGGGCAGTATGTGGCCGCTGGATTTGAACGATCCACAAGCTCCACTATTTACCCCATAGGGGAAGGCCAGGTGGGAAGAGCTGCAGACTACAAGGTCTCCCGTACTCGCCACTTGTGTGATGGCCATTGGACGGCAGCTGCCTGCAGGTGCTCCAGCTATATCCATGTGTTTCAGGAATGGGGACCTGGTAACTCCCCATTTAGTCTGAAGCTGTCCAGGCTGCCAGCCAGGACTGGGAACTGTGTTGAAGCTCCTGACTGAGAAGGTCAAGTTGCAGAGTGGGGCTGTGTGCAAACCTGCACCCTAGAGGGGCTCCCAGTGCAGCAGGGAAGGAGCTGGTAACTGGCCATTACTATGTGGCTGTGCGAGAGGATGAGTTCAAGGACCTTCCCTATCTGGAGCTGTGGTGGCCAGCCCTCCCTGCCAGGGGCTGTGGCAACCTCCAGGCTCGAAGTCTAGGCCACAGGCAGGGGGCCCAAGGCCACAGGGCCAGGTAACCCAGCCCTCTCCAAAGGAACCAGACCGGAATTAAGCCATCTGCTTTCTATGCCAGACCCAGCAGACCATTAGCCAAGAAGCAAGCTCCCCACACTCTATTCCCATCAGGAGTTATAGGAGTATATGGAGCTCCCCACCGAAGGAAGGACAGCGGGGGCCCTGGAAGTAGCAGATGATGAAGACTCAGACAGAGGAGCCCTTGGATCAGAGGGCAGCACAGATAGTGAAGAGGCTTGTCCCTGGAAAACCGCCTGGGGCTGGGGCTGCTATCTCAGCCTCAGCCCCAGCTCTGCCATCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC221439 representing NM_001099434
Red=Cloning site Green=Tags(s)

MAGGSPA AKRVVYRNGDPFFPGSQLVVTQRRFPTMEAF LCEVTS AVQAPLAVRALYTPCHGHPVTNLAD
 LKNRGQYVAAGFERFHLHYLPHRGKDPGGKSCRLQGGPVTRHLC DGAIGRQLPAGAPSYIHVFRNGDLV
 SPPFSLKLSQAASQDWETVLKLLTEKV LQSGAVCKLCTLEGLPLSAGKELVTGHYVVAVGEDEFKDLPY
 LELLVPSPSLPRGCWQPPGSKSRPHRQGAQGHRAQVTQPSKPEPDRIKPSAFYARPQQTIQPRSKLPTLS
 FPSGVIGVYGAPHRRKETAGALEVADDEDTQTEEPLDQRAAQIVEEALSLENQPGAGAAISASAPALPS

TRTRPLEQKLISEEDLANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8042_e05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001099434

ORF Size: 1047 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:

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_001099434.1](#), [NP_001092904.1](#)

RefSeq Size: 1367 bp

RefSeq ORF: 1050 bp

Locus ID: 149069

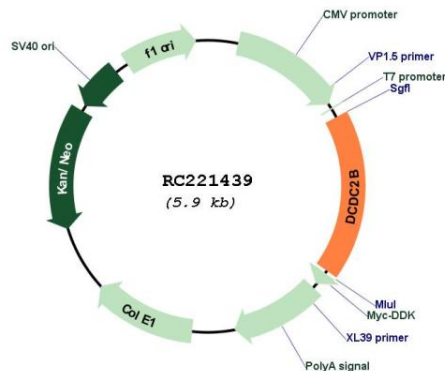
UniProt ID: [A2VCK2](#)

Cytogenetics: 1p35.2

MW: 37.5 kDa

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]

Product images:



Circular map for RC221439