

Product datasheet for MR226987

Dcdc2b (NM_001195730) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Dcdc2b (NM_001195730) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Dcdc2b |
| Synonyms: | Gm1366; Gm12964; OTTMUSG00000009523 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >MR226987 representing NM_001195730 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGCCAAGAGGATATTGGTGTATCGAAATGGGGATGCCTTCTTCCCAGGCCACCAGCTGGTGGTGA
CCCAACGCCGCTACCCACCATGGAGGCTTTGCTTTATGAGGTGACATCAGCTGTGCAAGCCCCGCTGGC
TGTACGTGTCCTCTACACACTTAGTGATGGCCACCCTGTACCAACTGGCTGACCTACAGAACGGAGGA
CAGTATGTGGCTGCTGGCTTTGAACGATTCCACAAGATCCAGAGTCTCGGGGATCCTTCCCCTTACTTGG
CTGTTCTCTGTCTCAGTGTGTTCAAGAACGGGGACCTGCTAAGTCCCCCTTTAGTCTAAAGCTGTCCCA
GACTGCCATCCAGGACTGGGACACGGTGTGAAGCTGCTCAGTGAGAAGGTTACGTTACAGAGTGGGGCT
GTACACAACTCTGCACCTCGAGGGGCTTCCACTGTCCACAGGGACTGCTCTGGTGAACGGCCATTACT
ACGTGGCTGTTGGAGAAGAAGATTCAAGGCCCTGCCCTATATGGAGCTGCTGGTGGCCAGCCCCCTCTCT
GTCCAGGGGCTGCTGGTGTCTCCAGGCCTGAAGTACAAAGCCCACAGGAAGAGGGTCCAGGGCTACAAG
GCCTCAGCAGCCAGCCTTTTCCAAGGAGCCAGGGGAACTGGGCCATCCACTTTCTATGCCAGGCCCC
AGCAGCCCTGGAGCAAGCTCCCTGCTCTCATCTCCATCAGGAGTTACGGGAGTGTATGGGGCTCCATA
CCCGAGGAAGGAGACGGCTGGGGCTCAGGAAGTGAATGAGGATGAGAACACACGCACAGAGGAGCCTGTG
GATCAGCCAGCCAAAGCACTG

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR226987 representing NM_001195730
Red=Cloning site Green=Tags(s)

MAAKRILVYRNGDAFFPGHQLVVTQRRYPTMEALLYEVTSAVQAPLAVRVLYTSLSDGHPVTNLADLQNGG
 QYVAAGFERFHKIQSLGDPSPYLAVLCLSVFRNGDLLSPFSLKLSQTAIQDWDTVLKLLSEKVTLQSGA
 VHKLCTLEGLPLSTGTALVNGHYVAVGEEEFKALPYMELLVPSPSLSRGCWCPPGLKYKAHRKRVQGYK
 ASAAQPFPEPGETGPSTFYARPQQPWSKLPALSSPSGVTGVYGAPYPRKETAGAEVNEDETRTEEPV
 DQPAKAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9073_g05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



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:

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

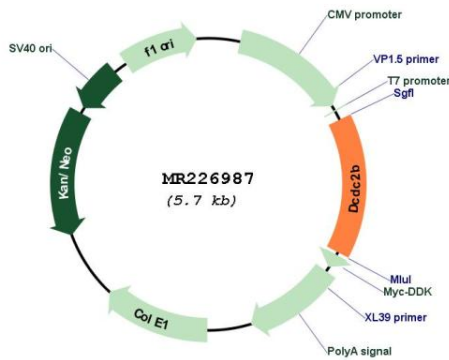
Locus ID: 100504491

Cytogenetics: 4 D2.2

MW: 31.3 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, Oct 2011]

Product images:



Circular map for MR226987