

## Product datasheet for **RR202446**

### Dcc (NM\_012841) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Dcc (NM\_012841) Rat Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Dcc  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 ORF Nucleotide Sequence: >RR202446 representing NM\_012841  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGAATAGTCTTGGATGTGTCTGGGTACCCAAGCTGGCTTTGTACTCTTCGGAGCTTCCTTGCTCA  
 GCGCGCATCTTCAAGTCACGGTTTCAAATTAACCTTTCACGTCACCTTCATTTGTGTCTGAACCTTC  
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TACAGATTGTTTTGCACTGAGGTGTCTACAGGAAAAGAACAAGATATAGAGGTTGATGGACTATCTTATA  
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGAT AAGGTTTAA

Protein Sequence: >RR202446 representing NM\_012841  
 Red=Cloning site Green=Tags(s)

MENSLGCVVWPKLAFVLF GASLLSAHLQVTGFQIKPFTSLHFVSEPSDAVTRGGNVLLNCSAESDRGVP  
 VIKWKKDGLILALGMDDRKQQLPNGSLLIQNILHSRHHKPDEGLYQCEASLGDSGSIISRTAKVMVAGPL  
 RFLSQTESITAFMGDTVLLKCEVIGDPMPTIHWQKNQQLNPIPGDSRVVVLPSGALQISRLQPGDSGVY  
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 ECVAVSGKPVPTVNMKNGDVVIPSDYFQIVGGSNLRILGVVKSDEGFYQCAENEAGNAQSSAQLIVPKP  
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 VNGTGPPSNWYTAETPENDLDESQVPDQPSLHVRPQTNCIIMSWTPLLNPNIIVVRGYIIGYGVGSPYAE  
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 CTRSSAQQRKRATHSASKRKGSKDLRPPDLWIHHEEMEMKNIEK PAGTDPAGRGSP IQSCQDLTPVS  
 HSQSESQMGSKSASHSGQDTEEAGSSMSTLERSLAARRATRKL MIPMEAQSNNP AVVSAIPVPTLESAQ  
 YPGILPSPTCGYPHPQFTLRPVFPFTLSVDRGFAGRTVSEGPTAQQPMLPPAQPEHPSSEEAPSRTIP  
 TACVRPTHPLRSFANPLLPPMSAIEPKVYPYTPLLSQPGPTLPKTHVKTASLGLAGKARSPLLPVSVPTA  
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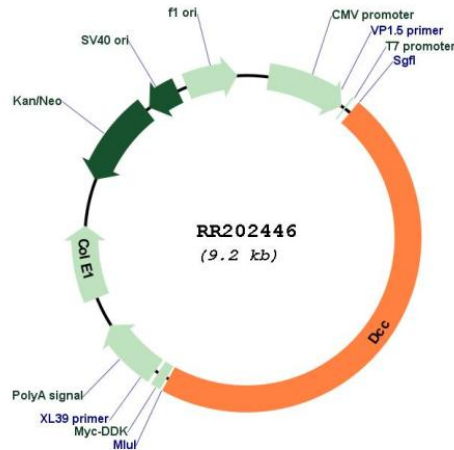
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_012841

ORF Size: 4335 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\\_012841.1](#), [NP\\_036973.1](#)

RefSeq Size: 4924 bp

RefSeq ORF: 4338 bp

Locus ID: 25311

UniProt ID: [Q63155](#)

Cytogenetics: 18q12.1

**MW:** 157.9 kDa

**Gene Summary:** transmembrane protein of the immunoglobulin superfamily that plays dual roles as a receptor for the chemoattractant netrin-1 and possibly other signalling pathways, and as a gamma-secretase-dependent transcription coactivator [RGD, Feb 2006]