

## Product datasheet for **RR209075**

### **Dcbld2 (NM\_130419) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Dcbld2 (NM_130419) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dcbld2
Synonyms:	Esdn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR209075 representing NM\_130419  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGAGCCGGGCGCCGCTGAGAGCCGCGCGCAGCCCGCAGGATCCCGAGGCCGGGCCGCGCCCGCC  
 CCACCGGCCGGGCCCGCTGCCAGCGCCGGCTGGTGTCCCTCCCTCCTGGCCGCAACTCCTCCTCCAG  
 GCCTCGGCTGCTCCTTCTACTGCTCCTACTGCTCCCGGACGCTGGAGCCAGAAAGGTGATGGATGTGGA  
 CACACTGTACTAGGCCCTGAGAGTGAACCCCTTACATCCATCAACTACCCACATACCTATCCTAACAGTA  
 CTGTGTGTAATGGGAGATTCGAGTAAAGACGGGAGAAAGAATTCGCATCAAGTTCGGTGACTTTGACAT  
 TGAAGATTCTGATTATTGTCACCTTAATTACCTGAAAATCTTTAATGGAATTGGAGTCAGCAGAACGGAA  
 ATAGGCAAGTACTGTGGTCTGGGTTTACAAATGAATCAGTCAATTGAGTCCAAAGGCAGTGAAATCACAG  
 TGCTGTTTCATGAGTGAATCCATGCTTCTGGTCGAGGATTTTTGGCTTCTTACTCAGTTATAGATAAACA  
 AGATTTAATCACTTGTGGATACTGTATCTAATTTTTTGAACCTGAGTTCAGTAAGTACTGCCAGCT  
 GGCTGTCTGCTGCCCTTTTGTGAAATATCTGGAACGATTCTCATGGATATAGAGATTCTTACCAGCTGT  
 GTATGGCTGGAATCCATGCAGGAGTAGTGTGAGATGTGCTGGGTGGCCAAATCAGCGTTGTGATTAGCAA  
 AGGCACCCCATATTACGAAAGTTCTTTGGCCAACAATGCACTTCCATGGTGGGATACTTATCTACGAGT  
 CTGTTTACATTTAAGACAAGTGGTTGCTATGGACTCTAGGATGGAGTCAGGTGTGATCGCCGATCCCC  
 AGATAACAGCATCATCTGACTGGAGTGGACTGACCACATGGGGCAGGAGAACAGCTGGAACCCGAGAA  
 GGCCAGGCTGAGAAAACCGGGCCCTCCCTGGGCTGCTTTTGGCACTGATGAGCATCAGTGGCTGCAATT  
 GACCTTAATAAGGAGAAGAAGATAACAGGCATCGTAACCACTGGATCTACCCTGATAGAGACAATTACT  
 ATGTGTCTGCCTACAGAGTTCTGTACAGTGACGATGGGCAGAAATGGACTGTGTACAGAGACCTGGTGC  
 GGCTCAGGACAAGATATTTCAAGGAAACAAAGATTATCACAAGGATGTTGTAATAACTTTTTGCCACCA  
 ATTATTGCACGTTTCATTAGAGTGAACCTGTCCAGTGGCAACAGAAAATGGCCATGAAAGTGAATTGC  
 TGGGATGTCAGTTCCTCTGAAAGTTCGCTTCCAAAGCTTACTCAACCTCCCCACCTCGGAACAGCAA  
 TAACCTCAAAAACACTACAGTTCATCCAAACTAGGTCGTGCCCTAAATTTACTCAAGCACTCCAACCA  
 CGAAGTAGGAATGACCTTCTCTGCTGCCGGCCAGACAAGTCCACTCCTGATGTCAAAAAACGACTG  
 TGACTCCAGTGTGACCAAAGATGTTGCACTGGCCGCGTCTGGTTCCTGTGCTGGTCATGGCCCTCAC  
 CACTCATCCTCATTCTAGTGTGCTTGGCATTGGAGAAACAGAAAGAAAAAGCCGAAGGCACCTAT  
 GATTTACCCCACTGGGATCGGGCAGGCTGGTGGAAAGGAGTGAAGCAGCTTCTCCCTGCCAAATCGGTGG  
 AACACGAGGAGACGCCAGTGCCTACAGCAACAGTGAAGTTAGTCACCTGAGCCCGAGGGAAGTCACGAC  
 AGTGTGCAAGCTGATTCTGCAGAATACGCACAGCCCTCGTGGGAGGAATTGTTGGCACACTCCATCAG  
 AGATCTACCTTTAAACCTGAAGAAGGAAAAAGAGCGAGCTACGCAGATCTAGACCCTACAACGCTCCAG  
 TACAGGAAGTGTATATGCCTACGCTGAGCCGCTGCCGTAACGGGGCCTGAGTACGCAACCCCAATCGT  
 CATGGACATGTCAGGGCACTCCACAGCCTCAGTTGGTCTGCCCTCCACATCCACTTTTCAAACTGCAGGG  
 AACCAGCCTCCCGCATTAGTGGGAATTAACAACACTTCTCTCCAGGACTGACAGCTGTTCTCCGGGCC  
 AGGCTCAGTACGACACCCAAAAGGTGGGAAGCCAGCAGCTGCCCCAGAGGAAGTGGTGTACCAGGTGCC  
 GCAGAGCACCCAGGAAGCATCAGGAGCAGGAAGGGATGAGAAATTTGATGCTTTTAAAGAAACCTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR209075 representing NM\_130419  
Red=Cloning site Green=Tags(s)

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MASRAPLRAARSPQDPGGRAAPAATGRAPLPSAGWCPLPPGRNSSSRPRLLLLLLLLLLPDAGAQKGDGCG
HTVLGPESGTLTSINYPHTYPNSTVCKWEIRVKTGERIRIKFGDFDIEDSDYCHLNLYLKFNGIGVSRTE
IGKYCGLGLQMNQSIESKGEITVLFMSGIHASGRGFLASYSVIDKQDLITCLDVTSNFLEPEFSKYCPA
GCLLPFAEISGTIPHGIRDSSPLCMAGIHAGVSDVLDLGGQISVVISKGTPTYESSLANNVTSMVGYLSTS
LFTFKTSGCYGTLGMESGVIADPQITASSVLEWTDHMGQENSWKPEKARLRKPGPPWAAFATDEHQWLQI
DLNKEKKITGIVTTGSTLIEHNYVVSAYRVLVSDDGQKWTVYREPGAAQDKIFQGNKDYHKDVRNNFLPP
IIARFIRVNPVQWQKIAMKVLLGCQFTLKGRLPKLTQPPPRNSNNLKNTTVHPKLGRAPKFTQALQP
RSRNDLPLPAQTATPDVKNTTTPSVTKDVALAAVLVPVLMALTLLILVCAWHWRNRKKAEGTY
DLPHWDRAGWVKVQLLPAKSVEHEETPVRYNSSEVSHLSPREVTTVLQADSAEYAQPLVGGIVGTLHQ
RSTFKPEEGKEASYADLPYNAPVQEVYHAYAELPVTGPEYATPIVMDMSGHSTASVGLPSTSTFRTAG
NQPPALVGTYNLLSRTDSCSSQAQYDTPKGGKPAAPPEELVYQVPQSTQEASGAGRDEKDFDAFKETL
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja3721\\_b03.zip](https://cdn.origene.com/chromatograms/ja3721_b03.zip)

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

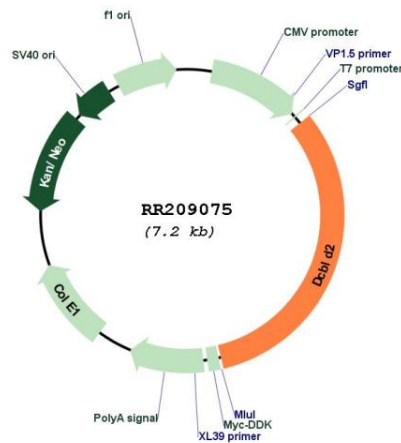
**ACCN:** NM\_130419

**ORF Size:** 2307 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_130419.1, NP_569103.1</u>
<b>RefSeq Size:</b>	2339 bp
<b>RefSeq ORF:</b>	2310 bp
<b>Locus ID:</b>	155696
<b>UniProt ID:</b>	<u>Q91ZV2</u>
<b>Cytogenetics:</b>	11q12
<b>MW:</b>	83.9 kDa
<b>Gene Summary:</b>	may mediate vascular cell growth [RGD, Feb 2006]

**Product images:**


Circular map for RR209075