

Product datasheet for **RR217235**

Cdh3 (NM_053938) Rat Tagged ORF Clone

Product data:

| | |
|---------------------------|---------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Cdh3 (NM_053938) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Cdh3 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>RR217235 representing NM_053938
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCTGCTTAGTGGGCCCTGGTCTTCTGCTCCTCTGCTCCAGGTTTGTGGCTACGCAGCGTGG
 TCTCCGAGTCTACCGGGAGGACTTCATCCGGGAGGCTGGAGTGACCTTGAGGTTGGGAGGAACTGACCT
 GGAGCCGAGCCAAGCGCTAGAGAAAGAGGCATTGGCTGGACACGAGGTGCTCGGTGCAGACAGTGGAGGA
 ATCATTACACTGAATAGGGAGACAGTCCAGGGAGGGAAGGGTGTGATGAACTCCCCACCCTCACGCATCT
 TACGGAGACGAAAGAGAGAGTGGGTGATGCCACCAATATCGGTCCCTGAGAATGGCAAAGGTCTTTTCC
 TCAGAGGCTGAATCAGCTTAAATCTAATAAGGACAGAGGCACCAAGCTTTTCTACAGCATCACGGGGCT
 GGAGCTGACAGTCCCCCTGAGGGAGTCTCACCATAGAGAAGGAGACGGGCTGGTGTCTGTTGAATATGC
 CACTGGACAGGGAGAAAATTGTCAAGTATGAGCTTTTGGCCACGCTGTATCTGAGAATGGTGCCTGTGT
 AGAGGAGCCCATGAACATATCCATCATTGTGACAGATCAGAATGACAACAAGCCCAAGTTCACTCAAGAC
 ACCTTCAGAGGGAGTGTCCGGAGGGGGTAATGCCTGGCACTTCTGTGATGCAGGTGACAGCCACAGATG
 AGGACGACGCCATCAATACTTACAATGGGGTGGTGGCTTACTCCATCCATAGCCAAGAGCCGAAGGAGCC
 ACACGACCTCATGTTACCATCCATAAAAGCACTGGGACTATTAGCGTCACTCCAGTGGCTGGATAGA
 GAGAAAGTCCCTGAGTACACACTGACCATCCAGGCCACAGACATGGACGGAGACGGCTCTACCACAACAG
 CCGAGGCCGTAGTGCAGATCCTTGATACCAATGATAACGCTCCAGAGTTCAGCCGCAAAAGTATGAGGC
 TTGGGTGCCTGAGAATGCAGTGGCCACGAGGTACAGAGGCTGACAGTACCAGTCTGGATTCCCCAAC
 TCACCGGCATGGCGTCCACCTACCACATTGTGGGAGTGACAGTGGGGATCATTACCGTGGCCACTC
 ACCCAGAGACCAACCAAGGCATCCTGACAACCAAGAAGGGTTTGGATTTTGGAGCTCAGAACCACACAC
 CCTGTACATAGAAGTGACCAACGAGGCTTCCTTTGCAAGTGAAGCTCCCGACTGCCACCGCCACCGTGGTG
 GTCATGTGGAAGATGTCAACGAGGCCCTGTGTTTGTCCACCTTCCAAGGTCATTGAGGCCAGGAAG
 GCATCTCTATTGGGAACTGGTCTGTGTCTATACTGCACAGGACCCTGACAAGGAGGAACAGAAGATCAG
 CTACAGCATCTTGAGAGACCCAGCCAGCTGGCTTGTGTGGACCCGACAGTGGTGCAGATAACGGCTGCA
 GGCATCTTAGATCGTGAGGACGAGCAGTTTGTGAAAAACGACATCTACGAAGTATGGTGTGGCCACAG
 ACAATGGAACCCTCCCACCACCGGCACTGGGACCCTCCTGCTAACACTTACTGACATCAATGACCATGG
 CCCAATCCCTGAACCTCGTCAGATCATCTGTAAACCAAGCCCGTGCCTCAAGTGTGAACATCACA
 GACAAGGACCTGTCCCCAACTCCTCCCCTTTCCAGGCCAGCTCACACATGATTCAGATATCTACTGGA
 TGGCAGAAGTCAGCGAGAAAGGAGACACCGTGGCCTTGTCCCTGAAGAAGTTCCTGAAGCAAGACACATA
 TGACTTGACCTTTCTTTGTCTGACCATGGCAACCGGGAACAGCTAACCATGATCAGGGCCACTGTGTGT
 GACTGCCACGGCCAGGTGTTGAATGACTGCCCCAGACCCTGGAAAGTGGCTTATCCTCCCCTGCTGG
 GTGCTGTCTGGCTCTACTGACCCTTCTTCTGGCGCTCCTTCTGTTGGTGAAGAAAGAGGAAGGTCAA
 AGAGCCCTTCTGCTCCCAGAGGATGACACTCGTGACAATGTCTTCTATTATGGAGAAGAGGGTGGTGGC
 GAAGAGGACCAGGACTATGACATCACTCAACTCCACCGGGACTAGAGGCCAGGCCTGAGGTGGTTCTCC
 GCAACGACGTGGCACCAACCTTCATCCCCACCCCATGTACCGCCCCGGCCGCCAACCCAGATGAAAT
 CGGCAACTTCATCATCGAGAACCTGAAAGCTGCCAACACAGACCCCACTGCTCCTCCCTACGACTCCCTG
 CTGGTGTGTTGACTACGAGGGCAGTGGCTCTGATGCTGCCTCCCTGAGCTCCCTCACCTCCTCCACCTCTG
 ATCAGGACCAGGACTACAACCTTACCGAGTGGGGAAGTCGATTCAAGAACTGGCTGACATGTATGG
 TGGCGGTGAGGATGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR217235 representing NM_053938
Red=Cloning site Green=Tags(s)

MELLSGPLVFLLLLQVCWLRVSVSESYREDFIREAGVTLEVGGTDLEPSQALEKEALAGHEVLGADSGG
IITLNRETVQGGKGMNSPPSRILRRRKREWVMPPISVPENGGKPFQRLNQLKSNKDRGKLFYSITGP
GADSPPEGVFTIEKETGWLLLNMPDREKIVKYELFGHAVSENGASVEEPMNISIIIVTDQNDNPKFTQD
TFRGSVPEGVMPGTSVMQVTATDEDDAINTYNGVVAYSIIHSQEPKEPHDLMFTIHKSTGTISVISSGLDR
EKVPEYTLTIQATDMDGSGSTTTAEAVVQILDNDNAPEFQPKYEAWVPENAVGHEVQRLTVTDLDSPN
SPAWRATYHIVGGDDGDHFTVATHPETNQGILTTKKGLDFEAQNQHTLYIEVTNEASFVAKLPTATATVV
VHVEDVNEAPVFPVPSKVIEAQEGISIGELVCVYTAQDPDKEEQKISYSILRDPASWLAVDPSGQITAA
GILDREDEQFVKNDIYEVMLATDNGNPPTTGTGTLTLLTLDINDHGPIPEPRQIIICNQPVPQVLNIT
DKDLSPNSSPFQAQLTHSDIYWMAEVSEKGDVALSLKKFLKQDYLHLSLSDHGNREQLTMIRATVC
DCHGQVLNDCPRPWKGGFILPVLGAVLALLTLLALLLVRKKRVKEPLLPEDDTRDNVFFYEGEGGG
EEDQDYDITQLHRGLEARPEVLRNDVAPTFIPTMYRPRPANPDEIGNFIIENLKAANTDPTAPPYDSL
LVFDYEGSGSDAASLSSLTSSTSDQDQDYNL TEWGSRFKKLADMYGGGEDD

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul

Cloning Scheme:


ACCN: NM_053938

ORF Size: 2466 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_053938.2](#), [NP_446390.2](#)

RefSeq Size: 3458 bp

RefSeq ORF: 2469 bp

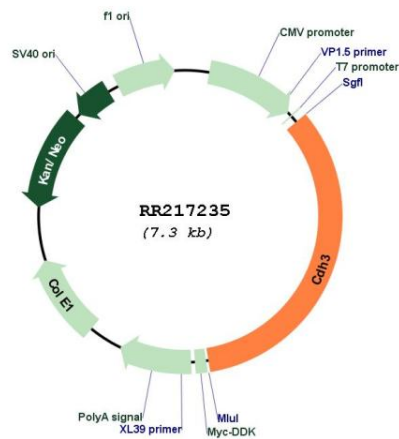
Locus ID: 116777

Cytogenetics: 19q12

MW: 90.4 kDa

Gene Summary: cell-cell adhesion molecule [RGD, Feb 2006]

Product images:



Circular map for RR217235