

Product datasheet for **RR202985**

Cdh1 (NM_031334) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdh1 (NM_031334) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdh1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RR202985 representing NM_031334
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGAGCCCGGTGCCGAGCTTCTCCGCGCTCCTGCTCCTGCTGCAGGTCTCCTCGTGGCTTTGTCAAG
 AGCCGGAGTCGGAGTCTGACTCCTGCCGTCGCCGCTTCCAGTTCGAGGTCTACACCTTCCCTGGTCCCGGA
 GAGGCACCTGGAGAGAGGCCACATCCTGGGAGAGTGAATTTGAAGGATGCACCGGCCGCTCCAAGGACA
 GCCTTCTTTTCTGAAGACTCCCATTCAAAGTGTCTACAGATGGCGTCATCACAGTCAAACGGCATCTAA
 AGCTTCAAGCTGGAGACCAGTTTTCTCGTCCATGCCTGGGACTCCAGTTACAGGAAGCTTTTACCAA
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 CCAGAGCTGCTCACGTTTCCAGCTTCCACCAGGGTCTGAGAAGACAGAAACGAGACTGGGTATCCCTC
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 CAAAGAGACAACGTTTTCTACAGCATACCGGCCAGGAGCTGACAAACCCCTGTTGGCGTTTTATC
 ATTGAGAGGGAGACAGGCTGGCTGAAAGTGACGACGCTCTGGACAGAGAAGCCATTGACAAGTACCTTC
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 AATGATCCTGATCATCAGTTCACTGTATCACAGACCCCAAGACCAACGAGGGCATTCTGAAAACAGCCA
 AGGGCTTGGATTTGAGGCCAAGCAGCAGTACATTCTGCACGTGACAGTGGAAAATGAGGAGCCCTTTGA
 GGGGTCTTGTCCCTTCCACAGCCACTGTACCGTGGATGTGGTAGACGTGAATGAAGCCCCATTTTT
 GTGCTGCGGAGAAGAGAGTCCGAGGTGCCTGAGGACTTTGGTGTGGGTCTGGAGATCGCATTTACTG
 CGCGAGAGCCAGACATTCATGGAACAGAAGATCACGTATCGGATTTGGAGGGACTGCCAATGGCT
 GGAGATTAACCCAGAGACTGGGGTCATTCCACTCGGGCTGAGATGGACAGAGAAGATTCGGAGCATGTG
 AAGAACAGCACGTATACAGCTCTCATATTGCCACAGATGATGGTTCACCCATTGCCACTGGCACAGGGA
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 AAACCTGAAGGCAGCGGACAGTACCCACAGCGCCCTTACGACTCTCTGTTGGTGTGTTGACTATGAG
 GGGAGTGGTTCTGAAGCTGCCTCCCTGAGCTCGCTGAACTCCTCTGAGTCAGATCAGGACCAGGACTACG
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR202985 representing NM_031334
 Red=Cloning site Green=Tags(s)

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MGARCRSFSALLLLLQVSSWLCQQPESESDSCRPGFSSEVYTFLLVPERHLERGHILGRVKFEGCTGRPRT
AFFSEDSRFKVDGIVITVKRHLKHLKLETSFLVHAWDSSYRKLSTKVTLKSLGHHHRHHHRDPVSESN
PELLTFPSFHQGLRRQKRDWVIPPINCPENQKGEFPQRLVQIKSNRDKETTTFYSITGPGADKPPVGVFI
IERETGWLKVTQPLDREAIKYLKLYSHAVSSNGEAVEDPMEIVVTVDQNDNRPEFIQEVFEGSVAEGAL
PGTSVMQVSATDADDINTYNAAIAYTILSQDPELPHKNMFTVNRDTGVISVVTSGLDRESYPTYTLVVQ
AADLQGEGLSTTAKAVITVKDINDNAIFNPSTYQGVLENEVGARIATLKVTDADPNTPAWNAVYTVV
NDPDHQFTVITDPKTNEGILKTAKGLDFEAKQYILHVTVENEEPFEGLVPSTATVTVDVVDVNEAPIF
VPAEKRVPEPDFGVGLEIASYTAREPDTFMEQKITRYIWRDTANWLEINPETGVISTRAEMDREDSEHV
KNSTYALIIATDDGSPATGTGTLVLLSDVNDNAIPEPRNMQFCQRNPKPHVITILDPLPPNTSPF
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KAISLEAGLQVPAIILGILGGILALLILILLLLLFLRRRTVVKEPLLPPDDTRDNVYYYYDEEGGGEEDQD
FDLSQLHRGLDARPEVIRNDVAPTLMSMPQYRPRPANPDEIGNFIDENLKAADSPTAPPYDSSLVFDYE
GSGSEAASSLNSESQDQDYDYLNEWGNRFKKLADMYGGGEED
  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:


ACCN: NM_031334

ORF Size: 2658 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_031334.1](#), [NP_112624.1](#)

RefSeq Size: 4396 bp

RefSeq ORF: 2661 bp

Locus ID: 83502

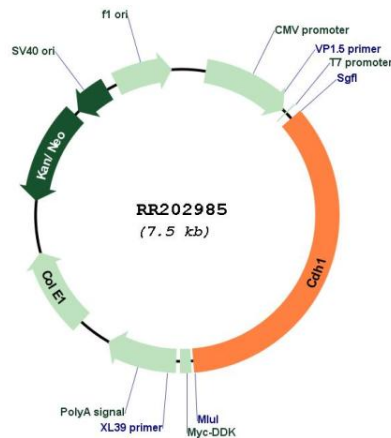
UniProt ID: [Q9R0T4](#)

Cytogenetics: 19q12

MW: 98.7 kDa

Gene Summary: cell-cell adhesion molecule; may play a role in axonal growth and synapse formation [RGD, Feb 2006]

Product images:



Circular map for RR202985