

Product datasheet for **RN202985**

Cdh1 (NM_031334) Rat Untagged Clone

Product data:

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



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Fully Sequenced ORF: >RN202985 representing NM_031334
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGAGCCCGGTGCCGAGCTTCTCCGCGCTCCTGCTCCTGCTGCAGGTCTCCTCGTGGCTTTGTCAAG
 AGCCGGAGTCGGAGTCTGACTCCTGCCGTCGCCGCTTCAAGTTCGAGGTCTACACCTTCCTGGTCCGGA
 GAGGCACCTGGAGAGAGGCCACATCCTGGGAGAGTGAATTTGAAGGATGCACCGGCCGCTCCAAGGACA
 GCCTTCTTTTCTGAAGACTCCCGATTCAAAGTGTCTACAGATGGCGTCATCACAGTCAAACGGCATCTAA
 AGCTTCACAAGCTGGAGACCAGTTTTCTCGTCCATGCCTGGGACTCCAGTTACAGGAAGCTTTTACCAA
 AGTGACACTGAAGTCCCTGGGCCACCACCACCAGGCATCACCACAGAGACCCTGTCTCTGAATCCAAC
 CCAGAGCTGCTCACGTTTCCAGCTTCCACCAGGGTCTGAGAAGACAGAAACGAGACTGGGTCATCCCTC
 CCATCAACTGCCCGAAAATCAAAGGGCGAATCCCCCAGCGACTGGTTCAGATCAAATCCAACAGGGA
 CAAAGAGACAACGGTTTTCTACAGCATACCCGGCCAGGAGCTGACAAACCCCTGTTGGCGTTTTATC
 ATTGAGAGGGAGACAGGCTGGCTGAAAGTGACGACGCTCTGGACAGAGAAGCCATTGACAAGTACCTTC
 TCTACTCTCATGTGTGTATCAAATGGGGAAGCCGTTGGAGGATCCCATGGAGATAGTGGTCACAGTCA
 AGATCAGAATGACAACAGGCCAGAGTTTATCCAGGAGGCTTTGAGGGATCTGTTGCAGAAGGCGCTCTT
 CCAGGAACCTCCGTGATGCAGGTCTCAGCCACTGATGCAGACGATGACATAAACACCTACAATGCTGCCA
 TCGCCTACACCATCCTCAGCCAAGATCCTGAGCTGCCTCACAACAAATGTTCACTGTCAACCGGGACAC
 TGGGGTCATCAGTGTGGTCACTCCGACTGGACCGAGAGAGTACCCTACATACTCTGGTGGTTCAG
 GCTGCCGACCTCAAGGCGAAGGCTAAGCACAACAGCAAAAGCTGTGATCACTGTCAAGGATTAATG
 ACTAACCTCCCATCTTCAACCAAGCACGTACCAGGGTCAAGTGTGAGAATGAGGTGCGTGCCGAT
 TGCCACACTCAAGGTGACTGATGATGATGCCCCCAACACTCCAGCGTGGAAATGCTGTGTACACCGTAGT
 AATGATCCTGATCATCAGTTCAGTGTATCACAGACCCCAAGACCAACGAGGGCATTCTGAAAACAGCCA
 AGGGCTTGGATTTGAGGCCAAGCAGCAGTACATTCTGCACGTGACAGTGGAAAATGAGGAGCCCTTTGA
 GGGGTCTCTTGTCCCTTCCACAGCCACTGTACCCTGGATGTGGTAGACGTGAATGAAGCCCCATTTTT
 GTGCTGCGGAGAAGAGAGTCCGAGGTGCCTGAGGACTTTGGTGTGGGTCTGGAGATCGCATCTTACTG
 CGCGAGAGCCAGACACATTCATGGAACAGAAGATCACGTATCGGATTTGGAGGGACACTGCCAATTGGCT
 GGAGATTAACCCAGAGACTGGGGTCATTCCACTCGGGCTGAGATGGACAGAGAAGATTCGGAGCATGTG
 AAGAACAGCACGTATACAGCTCTCATATTGCCACAGATGATGGTTCACCCATTGCCACTGCCACAGGGA
 CTCTTCTCCTGGTCTGTGAGAGCTCAACGACAATGCTCCCATCCAGAACCTCGAAATATGCAGTCTG
 CCAGAGAAAACCCGAAGCCCCATGTCATCACCATCTTGGATCCAGACCTTCCCCAAAACATCCCCCTTC
 ACTGCAGAGCTCACCCATGGGGCCAGCGTCAACTGGACCATTGAGTACAATGACGCGAGAACAAGAATCTC
 TCAATTTGCAACCAAGAAAGGACTTAGAGATTGGCGAATACAAAATCAATCTCAAGCTCTCGGATAACCA
 GAATAAAGACCAGGTGACCACGTTGGAGGTCCACGTGTGTGACTGTGAAGGGACCGTCAACAACGTCATG
 AAGGCGATCTCCCTGGAAGCAGGATTACAAGTCCCGCCATCCTTGAATCCTGGGAGGGATCCTGGCCC
 TCCTGATCTGATCCTCCTGCTCCTACTGTTTCTACGGAGGAGAACGGTGGTCAAAGAGCCCTTGTGCC
 ACCAGATGACGATACCCGGGACAATGTGATTACTATGATGAAGAGGGAGGTGGAGAAGAAGACCAGGAC
 TTTGATTTGAGCCAGCTGCACAGGGCCTTGTGAGCCAGACCGGAAGTATTGAAATGATGTGGCTCCCA
 CCCTCATGAGCATGCCCAAGTATCGTCCCGTCCAGCCAATCCTGATGAAATCGGGAACCTCATCGATGA
 AAACCTGAAGGCAGCGGACAGTGAACCCACAGCGCCCTTACGACTCTCTGTTGGTGTGTTGACTATGAG
 GGGAGTGGTTCTGAAGCTGCCTCCCTGAGCTCGCTGAACTCCTCTGAGTCAGATCAGGACCAGGACTACG
 ATTATCTGAACGAATGGGGCAACCGGTTCAAGAAGCTGGCCGATATGTATGGTGGCGGCAAGAAGACTA
 G

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_031334

Insert Size:	2661 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none">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:	<u>NM_031334.1</u> , <u>NP_112624.1</u>
RefSeq Size:	4396 bp
RefSeq ORF:	2661 bp
Locus ID:	83502
UniProt ID:	<u>Q9R0T4</u>
Cytogenetics:	19q12
Gene Summary:	cell-cell adhesion molecule; may play a role in axonal growth and synapse formation [RGD, Feb 2006]