

Product datasheet for **RN211792**

Cdh2 (NM_031333) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdh2 (NM_031333) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cdh2
Synonyms:	N-cadherin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry2 (PS100063)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN211792 representing NM_031333
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTGCCGGATAGCGGGAGCGCCGCGGACCCTGCTGCCGTTCTGGCGCCTTGCTTCAGGCATCTCTGG
 AGGCTTCTGGTGAACCTTGCATTATGCAAGACTGGATTTCTGAAGATGTTTACAGCGCGGTCTTACCGAA
 GGACGTGCACGAAGGCCAGCCTCTTCTCAATGTGAAATTCAGCAACTGCAATAGAAAAAGGAAAGTTCAG
 TATGAAAGCAGTGAACCAGCAGATTTCAAGGTGGATGAGGACGGCACAGTGTACGCTGTGAGAAGCTTCC
 CTCTCTCTGCAGAGCAGGCAAAGTTCCTGATATATGCCCAAGACAAGAAACCCAGGAAAAGTGGCAGGT
 AGCTGTTAACCTGAGCCTGGAGCCAGCCTGACTGAGGAGCCGATGAAGGAACCATGAAATTAAGAA
 ATAGTATTCCTAGACAACCTCGCAAGCACAGCGGACGCTACAAAGGCAGAAGAGACTGGGTATCC
 CTCGATCAACTTGCCAGAAAACCTCAGAGGACCCTTCCGCAAGAGCTTGTGAGAAATCAGTCTGATAG
 AGATAAGAACCTATCTCTGAGATACAGTGTCACTGGGCCAGGAGCTGACCAGCCTCCAACGGGCATCTTC
 ATCATCAACCCCATCTCTGGACAACCTGTAGTCAAAAGCCTCTGGACAGAGAACCTGATAGCCCGGTTTC
 ACCTGAGGGCACATGCAGTTGACATCAATGGCAATCAAGTGGAGAACCCATTGACATCGTCATCAATGT
 CATCGACATGAATGATAACAGACCTGAGTTTCTGCACCAGGTTTGGAAATGGGTCTGTTCCAGAGGGATCA
 AAGCCTGGGACGTATGTGATGACTGTCCTGATGTCAGATGACCCAAATGCCCTGAATGGGATGC
 TGAGGTACAGGATCCTCTCCAGGCACCCAGCACCCTTCTCCCAACATGTTTACAATCAACAACGAGAC
 CGGGGACATCACTGTGGCAGCTGGTCTGGACCGAGAGAAAGTGAACAGTATACGTTAATAATTCAA
 GCCACTGACATGGAAGGCAATCCCACTTACGGCCTTTCAAACACAGCCACAGCCGTATCACAGTACAG
 ATGTCAATGACAATCCTCCAGAGTTTACTGCCATGACCTTCTACGGAGAAGTCCCTGAGAACAGATGGA
 TGTCAATTGTAGCCAACCTGACTGTCAACGACAAGGACCAGCCCCACACACCAGCCTGGAATGCGGCATAC
 AGAATCAGTGGTGGAGACCCACGGGAAGTGTGGCATCCTGACAGACCCCAACGCAATGATGGCCTAG
 TCACAGTGGTAAAACCAATTGACTTTGAAACGAATAGGATGTTTGTCTCACTGTTGCTGCAGAAAACCA
 AGTGCCATTAGCTAAGGGGATCCAGCACCACCTCAGTCGACAGCCACGGTGTCTGTGACAGTTATTGAT
 GTCAATGAAAATCCTTATTTTGGCCAAATCCTAAAATCATTGCAAGAGGAAGGCCTCCACGCAGGTA
 CCATGCTGACCACTCTCACTGCTCAGGACCCCGATCGATATATGCAACAGAATATCAGATACACAAAGT
 ATCTGACCCTGCCAACTGGCTGAAAATAGACCCTGTGAACGGGCAGATCACCACTATCGTGTCTGGAC
 AGAGAGTCGCAAAATGTCAAAAACAACATCTATAATGCTACCTTCTTCTGTTCTGACAATGGAATCCCTC
 CTATGAGTGGAACAGGAACGCTGCAAAATCTATTTACTTGATATCAATGACAACGCCCTCAGGTGTTACC
 TCAAGAGGCCGAGACTTGTGAAACTCCAGAACCAATTAATTAACATCACAGCGCTTGATTATGACATA
 GACCCCAATGCAGGGCCCTTTGCATTTGACCTTCCCTTATCCCAAGTACCAATTAAGAAAGTGGACCA
 TCACCCGGCTTAAGGGTATTTTGTCTCAGTCAATTTAAAGATCAAGTTTTTGGAAAGTGGCATCTATGA
 AGTTCCCATCGTTATCACAGATTCAGGGAATCCCCCAAGTCCAATATTCGATCCTGCGTGTGAAAAGT
 TGCCAATGTGACTCCAATGGAGACTGCACCGACGTAGACAGGATCGTGGGTGCAGGGCTTGGCACGGGCG
 CCATCATCGGATACTTCTGTGTATCATCATCTGCTGATCCTTGTCTCATGTTCTGTTGATGGATGAA
 ACGCCGGGATAAAGAGCGCCAGGCAAGCAGCTTTAATAGACCCAGAAGATGATGTAAGAGATAACATA
 TTGAAATATGATGAAGAAGGTGGAGGAGGAAGACCAGGACTATGACTTGAGCCAGCTCCAGCAACCAG
 ATACCGTGGAGCCTGATGCCATCAAACCTGTGGGAATCAGACGGCTAGACGAGAGGCCTATCCACGCTGA
 GCCACAATATCCAGTCCGATCCGAGCCCCACACCCTGGGGATATTGGGGACTTCATTAATGAGGGCCTT
 AAAGCTGCTGACAATGACCCACGGCGCCACCATATGACTCCCTTTTAGTCTTCGACTATGAGGGCAGCG
 GCTCCACGGTGGCTCCTTGAGCTCTCAACTCCTCCAGCAGCGGGGGACCAGGACTATGACTACCT
 GAATGACTGGGGACCCGCTTCAAGAAGCTGGCCGACATGTATGGTGGTGGTATGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/jc1349_g08.zip

Restriction Sites: SgfI-MluI

ACCN:	NM_031333
Insert Size:	2721 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_031333.1</u> , <u>NP_112623.1</u>
RefSeq Size:	4350 bp
RefSeq ORF:	2721 bp
Locus ID:	83501
UniProt ID:	<u>Q9Z1Y3</u>
Cytogenetics:	18p13
Gene Summary:	cell-cell adhesion molecule; may play a role in smooth muscle cell migration and adhesion in response to injury [RGD, Feb 2006]