

Product datasheet for **RN215513**

Cdh5 (NM_001107407) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdh5 (NM_001107407) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cdh5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >RN215513 representing NM_001107407
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGAGGCTCACAGAGCTGGCCACTGCTTTGGGCACCTTCTTGGCCCTGCTGGCAGTGGCAGCGATGG
 CAGGCCCCAACATGCTGCCTGTCCACCAGCGCCAAAAGAGAGACTGGATTTGGAATCAAATGCACATAGA
 TGAAGAGAAAAATGAGTCGCTGCCCACTATGTGGGAAAGATCAAGTCCAATGTGAACCGTCAGAATGCT
 AAGTATGTGCTCAAGGAGAACAAGCTGGCAAGATCTTCAGGGTCGATGCTGACACAGGGGATGTGCTTG
 CCTATGAGAGGTTAGACCGGAAAAAGTCTCTGAGTACTTCTTACTGCCCTCATTGTGGACAAGAAGAC
 CAACAAAAACCTGGAACAACCTTCCAGCTTCACTGTCAAGGTGCATGATGTAATGACAACCTGGCCTGTG
 TTTACGCACCAGGTATTCACGCATCTGTGCCGAGATGTCAGCTATAGGGACCTCTGTCATCCGTGTGA
 CAGCAACGGATGCAGATGACCCTACGGTGGCTGGCCACGCCACTGTCTTGTACCAATGGTAAAAGGAAA
 TGAGTACTTCGCATCGACAATTCTGGACTCATTTTACAAAGGACAAAACTTGGACAGAGAGACACGG
 GCTGAATACAAGATCGTGGTGAAGCACAAAGATGCCAGGGTCTGCGGGGAGAGTCAGGCACAGCCACTG
 TGCTGATCAGATTGGAAGACATCAATGACAACCTCCCCATCTTACTCAGTCCACATACACATTTTCGGT
 GCCTGAAGATATCCGTGTGGCAAGCCCTTGGGCTCTCTCTGTGAGGACCCAGATGAGCCTCAGAAC
 CGGATGACCAAATATAGCATCATGCAGGGCGAGTACAGGGACACCTTACCATTGAGACAGACCCCGACC
 GTAATGAGGGTATCATCAAACCCACAAAGCCCTGGACTATGAACTATCCAGCAGTACACGTTCCACAT
 CGAGGCCACAGACCCCACTATCAGACTCGGATACCTGAGCAGCACTGCGGGCAAAAAACAAAGCCAAGATC
 ATCATCAATGCTCTAGATGTGGATGAGCCCCCTGTCTTCCAGCGACGCTTCTACCACTTCCACCTGCCCG
 AAAACAAGAAGAACCCTGATTGGCACTGTGGTGGCCAAAGACCCCGCAAGGCTCAACGCAGCATAGG
 ATACTCCATCCGCAAGACCAAGTACAGAGGCCAATACTTCCGAATAACCAACAAGGGAACATCTATAAT
 GAGAAAGAACTGGACAGAGAAACCCACGCTGGTATAACCTGACTGTGGAGGCCAACGAATTGGATTCTA
 GGGGTAACCTGTAGGTAAGAATCCATTGTACAGATTTACATTGAAGTTTTGGATGAGAATGACAACGC
 CCCAGAATTTGCCAGCCCTACGAACCTAAAGTATGTGAGAATGCTGCCAGGGCAAGCTGGTAGTACAG
 ATCTCTGCAACAGACAAGGACGTGGTGCCAGTAAACACAAAGTTCAAGTTTGGCTGAAGAACGAGGACA
 GCAACTTACCCTCATCAACAACCAGACAATACCGCCAACATCACAGTCAAGTATGGACAGTTTAAATCG
 GGAGCATACCAAGTCCACTACCTGCCTGTGCTCATCTCCGACAATGGGATGCCAGCCTGACTGGAACC
 GGCAGCCTAACAGTGGCTGTGTGCAATGCAACGAACAGGGCGAGTTCACCTTCTGTGAGGAGATGGCCG
 CACAGGCCGGTGTGAGCATCCAGGCACTGGTAGCCATCTTCTGTGCATCCTACCATCACAGTATCAC
 CTTGCTGATCTTCTGCGGAGGGCGCTCCGGAAGCAGGGCGATGCTCATAGCAAGAGTGCCTTGAGATT
 CATGAGCAGTTGGTACCTACGACGAGGAGGGCGGTGGCGAGATGGACACCACAAGCTACGACGTGTCTG
 TGCTTAATTCTGTGCGCACCCGGTCCAACAAGCCTCTGCGGTCCACGATGGATGCCCGGCCAGCAGTATA
 CACACAGGTGCAGAAGCCTCCAGACTGGCGCTAGCCTGCACGGAGGGCCAGAGAGATGGCCACCATG
 ATCGAGGTGAAGAAAGAAGAGGCAGACAATGATGGCGTGGTCCCCCTACGATACACTGCACATCTACG
 GCTACGAGGGCACAGAGTCCATCGCAGAGTCCCTCAGCTCCCTGAGCACAATTCCTCCGACTCTGACAT
 CGACTATGACTTCTCAATGACTGGGGACCCAGGTTCAAGATGCTGGCAGAGCTGTATGGCTCAGATCCT
 CAGGAAGAGCTCATCAT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001107407
Insert Size: 2331 bp

OTI Disclaimer: 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.

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](#)

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_001107407.1](#), [NP_001100877.1](#)

RefSeq Size: 2550 bp

RefSeq ORF: 2331 bp

Locus ID: 307618

Cytogenetics: 19p14