

Product datasheet for **MR210219**

Cdh13 (NM_019707) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdh13 (NM_019707) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdh13
Synonyms:	4932416G01Rik; Cdht; T-cadh; Tca; Tcad
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR210219 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

 ATGCAGCCGAGAACTCCGCTCACCTGTGCGTCTGCTGTCCCAGGTGCTCCTGGTCACGCTCTCGAGATG
 ATCTGGAGTGCACCCCTGGATTCCAGCAGAAAAGTGTACACATCCACCAGCCTGCCGAATTCATCGAGGA
 CCAGCCTGTCCTAAACTTGACCTTCAGTACTGCAAGGGCAACGAGAAGCTGCACTACGAGGTCTCAAGT
 CCACACTTCAAGGTGAACAGCGATGGCACCTTAGTGGCTCTCAGGAACATCACTGCGGTGGGAGGACCC
 TGTGTGTCATGCGAGGACTCCTCATGCTGAAGACATGGCAGAAGCTCGTATTGTCGGGGCAAAGACAT
 CCAGGGCTCCTTGCAAGATATCTTTAAATTTGCAAGGACATCTCCTGTCCCAAGACAAAAGAGGTCCATT
 GTGGTGTCCCCATCTTGATCCCAGAGAACCAGAGACAGCCCTCCCCAGAGATGTCGGCAAGGTAGTCCG
 ATAGCGACAGACCCGAAGGTCCAAGTTCGGCTCACCGGAAGGGAGTGGATCAAGACCCTAAAGGAAC
 TTTCAGAATCAATGAGAACACAGGCAGCGTCTCCGTGACACGGACCCTGGACAGAGAAAACGATCGCTACT
 TATCAACTGTATGTGAAACCACGGATGCCAGTGGCAAACTCTGGAAGGGCCAGTGCCTCTGGAAGTCA
 TTGTGATTGACCAGAACGACAACAGACCATCTCCGGGAAGGCCCTTACATCGGCCATGTCATGGAAGG
 GTCACCCACAGGGACCACGGTGTGCGGATGACAGCGTTTGTGTCAGATGACCCGGCTACTGACAATGCT
 CTCCTGAGGTACAACATCCGTCAGCAGACGCTGACAAGCCATCTCCTAACATGTTCTACATCGATCCC
 AGAAAGGAGACATTGTACCGTGGTGTACCTGCGCTGCTGGACCGGGAGACTCTGGAACCCCAAGTA
 TGAAGTGTATCGAAGCTCAAGATATGGCAGGATTGGATGTCGGACTGACAGGCACAGCCACAGCCACC
 ATCGTGTGATGACAAAAATGATCACTCACAAAATTCACCAAGAAAGAGTTTCAAGCCACAGTGGAGG
 AGGGAGCTGTGGGGTCAATTGTCAACTTGACAGTGGAAAGACAAAGACACCCCAACACAGGAGCCTGGAG
 GGCTGCATACACCATCATCAATGGAAATCCTGGGCAGAGCTTCGAGATCCACCAACCCACAGACCAAC
 GAGGGCATGCTCTCTGTGGTCAAGCCCCTGGACTATGAGATCTCTGCCTTTCACACCCTGCTGATCAAAG
 TGGAGAATGAGGACCCACTGGTACCCGACGTCTCCTATGGCCCCAGCTCCACGGCAACTGTCCACATCAC
 AGTCTGGATGTCAACGAGGGACCAGTCTTCTACCCGGACCCATGATGGTACTAAACAGGAGAACATC
 TCTGTGGCAGTGTGCTGCTGACAGTGAATGCCACAGACCCAGACTCCCTGCAACATCAAATATCAGGT
 ACTCTGTCTACAAGACCAGCAGGCTGGCTGAGTATCAACCCATCAATGGAACGGTGGACACCACAGC
 TGTGTTGACCGGGAGTCCCATTCGTCCACAACAGTGTGTACACGGCCCTGTTCTGGCCATCGACAGT
 GGCAACCTCCTGCAACTGGCACCGGGACTCTGCTGATAACCCTAGAGGACATTAATGACAACGCTCCTG
 TCATTTACCCAAGTGTGGCTGAGGTCTGCGATGATGCCAGAAACCTCAGGCTGGTATTCTGGGGCTTC
 AGACAAGGACCTTCAACCAACACAGACCCCTCAAGTTTGAGATTATAAACAGACAGTCCCTGATAAAA
 GTTTGGAAGATCTCAAAAATCAACAACACTCACGCCCTCGTGAGCCTTCTTACAGAACTGAAACAAGGCAA
 ACTACAACCTGCCATCATGGTACAGATTGAGGGAAGCCACCCATGACGAACATCACGGACCTCAGGGT
 GCAGGTGTGCTCTTGAAGAAGTCCAAGTGGACTGCAACGGGGCTGGGGCCCTGCACCTCAGCCTCAGC
 TTGCTGCTGCTCTTCTCTCCTCAGCTTATTGTCAGGTCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210219 protein sequence
 Red=Cloning site Green=Tags(s)

MQPRTPLTLCVLLSQVLLVTSADDLECTPGFQQKVLHIHQPAEFIEDQPVLNLTFSACKGNEKLHYEVSS
 PHFKVNSDGLVALRNITAVGRTL FVHARTPHAEDMAELVIVGGKDIQGSLODIFKFARTSPVPRQKRSI
 VVSPILIPENRQPFPRDVGKVDSDRPEGSKFRLTGKVDQDPKGTFRINENTGSVSVTRTLDRETIAT
 YQLYVETTDASGKTLEGPVPLEVIDQNDNRPIFREGPYIGHVMEGSPGTGTTVMRMTAFDADDDPATDNA
 LLRYNIRQQTPDKPSNMFYIDPEKGDIVTVVSPALLDRETLENPKYELIEAQDMAGLDVGLTGTATAT
 IVIDDKNDHSPKFTKKEFQATVEEGAVGVIVNLTVEDKDDPTTGAWRAAYTIINGNPGQSFEIHTNPQTN
 EGMLSVVKPLDYEISAFHTLLIKVENEDPLVPDVSYGPSSTATVHITVLDVNEGPVFPDPMVMTKQENI
 SVGSVLLTVNATDPDSLQHTIRYSVYKDPAGWLSINPINGTVDTTAVLDRESPFVHNSVYALFLAIDS
 GNPPATGTGTLITLEDINDNAPVIYPTVAEVCDDARNLSVIVILGASDKDLHPNTDPFKFEIHKQTPDK
 VWKISKINNTHALVSLQLNKNANYNLPIMVTDSGKPPMTNITDLRVQVCCKNSKVDCNGAGALHLSLS
 LLLLFSLLSLSGL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



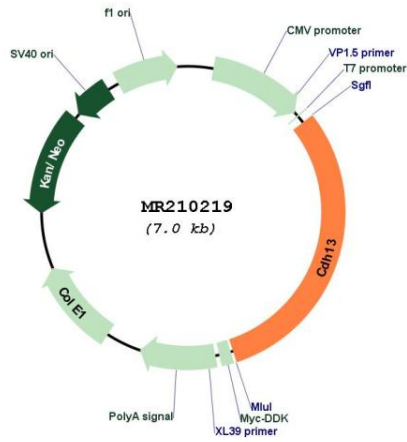
* The last codon before the Stop codon of the ORF

ACCN: NM_019707

ORF Size: 2145 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>
OTI Annotation:	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
Components:	<p>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).</p>
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:	<p>NM_019707.1, NM_019707.2, NM_019707.3, NM_019707.4, NM_019707.5, NP_062681.2</p>
RefSeq Size:	<p>2290 bp</p>
RefSeq ORF:	<p>2145 bp</p>
Locus ID:	<p>12554</p>
UniProt ID:	<p>Q9WTR5</p>
Cytogenetics:	<p>8 65.97 cM</p>
MW:	<p>78.1 kDa</p>
Gene Summary:	<p>This gene encodes a member of the cadherin family of calcium-dependent glycoproteins that mediate cell adhesion and regulate many morphogenetic events during development. The encoded preproprotein is further processed to generate a mature protein. This gene is highly expressed in the vasculature including endothelial cells, smooth muscle cells and pericytes, where the encoded protein binds to adiponectin and has been implicated in the modulation of angiogenesis. Multiple distinct genes of the cadherin family, including this gene, are found on chromosome 8. [provided by RefSeq, Nov 2015]</p>

Product images:



Circular map for MR210219