

## Product datasheet for **RC223517**

### CDH19 (NM\_021153) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CDH19 (NM_021153) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CDH19
Synonyms:	CDH7; CDH7L2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>RC223517 representing NM\_021153  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGAACTGTTATTTACTGCTGCGTTTTATGTTGGGAATTCCTCTCCTATGGCCTTGCTTGGAGCAACAG  
AAAACCTCTCAAACAAGAAAGTCAAGCAGCCAGTGCATCTCATTGAGAGTGAAGCGTGGCTGGGTGTG  
GAACCAATTTTTGTACCAAGGAAATGAATACGACTAGTCATCACATCGCCAGCTAAGATCTGATTTA  
GACAATGGAAACAATTCTTTCCAGTACAAGCTTTGGGAGCTGGAGCTGGAAAGTACTTTTATCATTGATG  
AAAGAACAGGTGACATATATGCCATACAGAAGCTTGATAGAGAGGAGCGATCCCTCTACATCTTAAGAGC  
CCAGGTAATAGACATCGCTACTGGAAGGGCTGTGGAACCTGAGTCTGAGTTTGTCAATCAAAGTTTCGGAT  
ATCAATGACAATGAACCAAAATTCCTAGATGAACCTTATGAGGCCATTGTACCAGAGATGTCTCCAGAAG  
GAACATTAGTTATCCAGGTGACAGCAAGTATGCTGACGATCCCTCAAGTGGTAATAATGCTCGTCTCCT  
CTACAGCTTACTCAAGGCCAGCCATATTTTTCTGTTGAACCAACAACAGGAGTCATAAAGATATCTTCT  
AAAATGGATAGAGAAGTCAAGATGAGTATTGGTAATCATTCAAGCCAAGGACATGATTGGTCAGCCAG  
GAGCGTTGCTGGAACAACAAGTATTAATAAACTTTCAGATGTTAATGACAATAAGCCTATATTTAA  
AGAAAGTTTATACCGCTTACTGCTCTCTGAATCTGCACCCACTGGGACTTCTATAGGAACAATCATGGCA  
TATGATAATGACATAGGAGAGAAATGCAGAAATGGATTACAGCATTGAAGAGGATGATTCCGAAACATTTG  
ACATTACTACTAATCATGAAACTCAAGAAGGAATGTTATATTAAGAAAGAAAGTGGATTTTGGAGCACCA  
GAACCACTACGGTATTAGAGCAAAAGTTAAAACCATCATGTTCTGAGCAGCTCATGAAGTACCACACT  
GAGGCTTCCACCCTTTCATTAAGATCCAGGTGGAAGATGTTGATGAGCCTCCTCTTTTCTCCTTCCAT  
AGACAATAGGAAATCTCCTATCAGGTATTCTATTACTAGGAGCAAAGTGTCAATATCAATGATAATGGT  
ACAATCACTACAAGTAACTCACTGGATCGTGAATCAGTGCTTGGTACAACCTAAGTATTACAGCCACAG  
AAAAATACAATATAGAACAGATCTCTTCGATCCCACTGTATGTGCAAGTCTTAACATCAATGATCATGC  
TCCTGAGTTCTCAATACTATGAGACTTATGTTTGTGAAAATGCAGGCTCTGGTCAGGTAATTCAGACT  
ATCAGTGCAGTGGATAGAGATGAATCCATAGAAGAGCACCATTTTACTTTAATCTATCTGTAGAAGACA  
CTAACAATTCAAGTTTACAATCATAGATAATCAAGATAACACAGCTGTCATTTTGACTAATAGAAGTGG  
TTTTAACCTTCAAGAAGAACCTGTCTTCTACATCTCCATCTTAATTGCCGACAATGGAATCCCGTCACTT  
ACAAGTACAACACCCTTACCATCCATGTCTGTGACTGTGGTGACAGTGGGAGCACACAGACCTGCCAGT  
ACCAGGAGCTTGTGCTTCCATGGGATTCAGACAGAAGTCAATGCTATTCTCATTTGCATTATGAT  
CATATTTGGGTTATTTTTTGGACTTTGGGTTAAAACAACGGAGAAAACAGATTCTATTTCTGAGAAA  
AGTGAAGATTTAGAGAGAAATATTTCCAATATGATGATGAAGGGGGTGGAGAAGAAGATACAGAGGCCCT  
TTGATATAGCAGAGCTGAGGAGTACCATAATGCGGGAACGCAAGACTCGGAAAACCAAGCGCTGA  
GATCAGGAGCCTATACAGGCAGTCTTGAAGTTGGCCCCGACAGTGCATATTCAGGAAATTCATTCTG  
GAAAAGCTCGAAGAAGCTAATACTGATCCGTGTGCCCTCCTTTTATTCCCTCCAGACCTACGCTTTTG  
AGGGAACAGGGTCAATAGCTGGATCCCTGAGCTCCTTGAATCAGCAGTCTCTGATCAGGATGAAAGCTA  
TGATTACCTTAATGAGTTGGGACCTCGCTTTAAAAGATTAGCATGCATGTTTGGTCTGCAGTGCAGTCA  
AATAAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC223517 representing NM\_021153  
Red=Cloning site Green=Tags(s)

MNCYLLLRFMLGIPLLPCLGATENSQTKKVKQPVRSHLRVKRGWVWNQFFVPEEMNTTSHHIGQLRSDL  
DNGNNSFYKLLGAGAGSTFIIDERTGDIYAIQKLDREERSLYILRAQVIDIATGRAVEPESEFVIKVS  
INDNEPKFLDEPYEAIVPEMSPEGLTVIQVTASDADDPSSGNNARLLYSLLQGQPYFSVEPTTGVI  
KMDRELQDEYWI IQAKDMIGQPGALSGTTSVLIKLSDVNDNKPIFKESLYRLTVSESAPTGTSGIT  
YNDIGENAEMDYSIEEDDSQTFDIITNHETQEGIVILKKKVD FEHQNHYGIRAKVKNHHVPEQLMKY  
EASTTFIKIQVEDVDEPPLFLLPYVFEVFEETPQGSFVGVVSATDPDNRKSPIRYSITRSKVFNDNG  
TITTSNSLDREISAWYNLSITATEKYNIEQISSIPLYVQVLNINDHAPEFSQYYETYVCENAGSGQVI  
ISAVDRDESIEEHHFYFNL SVEDTNSSFTIIDNQDNTAVILTNRTGFNLQEEPVFYISILIADNGIP  
TSTNTLIHVCDGSGSTQTCQYQELVLSMGFKTEVIAILICIMIIFGFIFLTLGLKQRRKQILFPEK  
SEDFRENIFQYDDEGGGEEDTEAFDIAELRSSTIMRERKTRKTTSAEIRSLYRQSLQVGPDSAI  
FRKFIL EKLEEANTDPCAPPFDSLQTYAFEGTGLAGSLSSLESAVSDQDESYDYLNELGPRFKRL  
ACMFGSAVQS  
NN

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8047\\_d09.zip](https://cdn.origene.com/chromatograms/mk8047_d09.zip)

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_021153

**ORF Size:** 2316 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\\_021153.4](#)

**RefSeq Size:** 3185 bp

**RefSeq ORF:** 2319 bp

**Locus ID:** 28513

**UniProt ID:** [Q9H159](#)

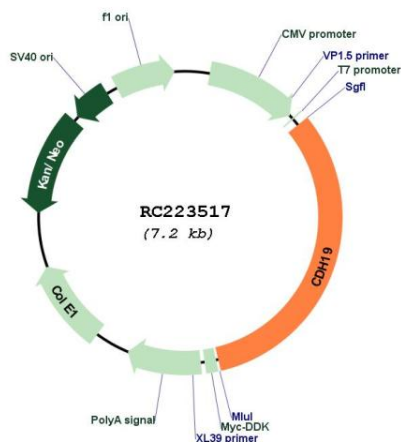
**Cytogenetics:** 18q22.1

**Protein Families:** Druggable Genome, Transmembrane

**MW:** 84.5 kDa

**Gene Summary:** This gene is one of three related type II cadherin genes situated in a cluster on chromosome 18. The encoded protein is a calcium dependent cell-cell adhesion glycoprotein containing five extracellular cadherin repeats. Loss of cadherins may be associated with cancer formation. Alternative splicing results in multiple transcript variants for this gene. [provided by RefSeq, Aug 2012]

### Product images:



Circular map for RC223517