

Product datasheet for **RC232846**

CDH19 (NM_001271028) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDH19 (NM_001271028) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CDH19
Synonyms:	CDH7; CDH7L2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RC232846 representing NM_001271028
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGTGTATTACTGCTGCGTTTTATGTTGGGAATTCCTCTCCTATGGCCTTGTCTGGAGCAACAG
 AAAACTCTCAAACAAGAAAGTCAAGCAGCCAGTGCATCTCATTGAGAGTGAAGCGTGGCTGGGTGTG
 GAACCAATTTTTGTACCAAGGAAATGAATACGACTAGTCATCACATCGCCAGCTAAGATCTGATTTA
 GACAATGGAAACAATTCTTTCCAGTACAAGCTTTGGGAGCTGGAGCTGGAAGTACTTTTATCATTGATG
 AAAGAACAGGTGACATATATGCCATACAGAAGCTTGATAGAGAGGAGCGATCCCTCTACATCTTAAGAGC
 CCAGGTAATAGACATCGCTACTGGAAGGGCTGTGGAACCTGAGTCTGAGTTTGTCAATCAAAGTTTCGGAT
 ATCAATGACAATGAACCAAAATTCCTAGATGAACCTTATGAGGCCATTGTACCAGAGATGTCTCCAGAAG
 GAACATTAGTTATCCAGGTGACAGCAAGTATGCTGACGATCCCTCAAGTGGTAATAATGCTCGTCTCCT
 CTACAGCTTACTCAAGGCCAGCCATATTTTTCTGTTGAACCAACAACAGGAGTCATAAAGATATCTTCT
 AAAATGGATAGAGAACTGCAAGATGAGTATTGGTAATCATTCAAGCCAAGGACATGATTGGTCAGCCAG
 GAGCGTTGTCTGGAACAACAAGTATTAATAAACTTTTCAGATGTTAATGACAATAAGCCTATATTTAA
 AGAAAGTTTATACCGCTTACTGCTCTCTGAATCTGCACCCACTGGGACTTCTATAGGAACAATCATGGCA
 TATGATAATGACATAGGAGAGAAATGCAGAAATGGATTACAGCATTGAAGAGGATGATTCCGAAACATTTG
 ACATTACTAATCATGAAACTCAAGAAGGAATAGTTATATTAAGAAAGAAAGTGGATTTTGGACCA
 GAACCACTACGGTATTAGAGCAAAAGTTAAAACCATCATGTTCTGAGCAGCTCATGAAGTACCACACT
 GAGGCTTCCACCCTTTCATTAAGATCCAGGTGGAAGATGTTGATGAGCCTCCTCTTTCTCCTTCCAT
 ATTTATGATTTGAAGTTTTTGAAGAAACCCACAGGGATCATTGTAGGCGTGGTGTCTGCCACAGACCC
 AGACAATAGGAAATCTCCTATCAGGTATTCTATTACTAGGAGCAAAGTGTCAATATCAATGATAATGGT
 ACAATCACTACAAGTAACTCACTGGATCGTGAATCAGTGCTTGGTACAACCTAAGTATTACAGCCACAG
 AAAAATACAATATAGAACAGATCTCTTCGATCCCACTGTATGTGCAAGTCTTAACATCAATGATCATGC
 TCCTGAGTTCTCTCAATACTATGAGACTTATGTTGTGAAATGCAGGCTCTGGTCAGGGTTATTTTTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC232846 representing NM_001271028
 Red=Cloning site Green=Tags(s)

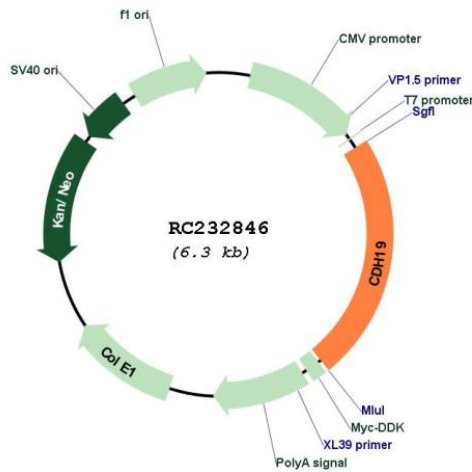
MNCYLLLRFMLGIPLLPCLGATENSQTKKVKQPVRSHLRVKGWVWNQFFVPEEMNTTSHHIGQLRSDL
 DNGNNSFYKLLGAGAGSTFIIDERTGDIYAIQKLDREERSLYILRAQVIDIATGRAVEPESEFVIKVS
 INDNEPKFLDEPYEAIIVPEMSPEGLVIQVTASDADDSSGNARLLYSLQGPYFSVEPTTGVIRISS
 KMDRELQDEYVWIIQAKDMIGQPGALSGTTSVLIKLSDVNDNKP IFKESLYRLTVSESAPTGT SIGT
 IMA YDNDIGENAEMDYSIEEDDSQTFDIITNHETQEGIVILKKKVD FEHQNHYGIRAKVKNHHP
 EQLMKYHT EASTTFIKIQVEDVDEPPLFLLPYVFEVFEETPQGSFVGVVSATDPDNRKSPIRYSIT
 RSKVFNINDNG TITTSNSLDREISAWYNLSITATEKYNIEQISSIPLVYQVLNINDHAPEFSQY
 YETVVCENAGSGQGLFF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Plasmid Map:

ACCN:

NM_001271028

ORF Size:

1470 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_001271028.2](#)

RefSeq Size: 5871 bp

RefSeq ORF: 1473 bp

Locus ID: 28513

UniProt ID: [Q9H159](#)

Cytogenetics: 18q22.1

Protein Families: Druggable Genome, Transmembrane

MW: 55.8 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]