

Product datasheet for **MR221339**

Cdh19 (NM_001081386) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdh19 (NM_001081386) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdh19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR221339 representing NM_001081386
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAATTATTGCTTCTTGAACACTGGATATTGATGATTCTTCTATGGCCTTGCCTTAAAGTTTCAG
 AGACCTTGAAAGCTGAGAAGGCTCGGAGAACAGTACCTTCCACTTGGAGAGCTAAGCGTGCCTGGGTGTG
 GAGACCATTTGTTGTTCTAGAAGAAATGGATGATACAATGTGTTGAAAGCTAAGATCTGACTTAGAC
 AATGGAACAACCTTTTCCAGTACAAGCTACTGGGGATTGGCGCTGGAAGCTTTAGCATTAAAGAAAGAA
 CAGGTGAAATATGTGCCATACAGAAGCTTGATAGAGAGGAAAAATCCCTCTACATTCTGAGAGCCCAGGT
 AATAGACACCACTATTGGGAAGGCTGTGGAACCTGAATCCGAGTTTGTGCATCAGAGTTTTGGATATCAAT
 GACAATGAACCCAGATTCCTAGATGAACCATATGAGGCCATTGTACCTGAGATGTCTCCAGAAGGAACAT
 TTGTCATCAAGGTGACAGCCAATGACGCAGATGATCCTTCAACTGGCTATCATGCTGCATCCTATACAA
 CTTAGAACGAGGTCAACCATACTTTTCTGTTGAGCCAACAACAGGAGTCATAAGGATATCTTCTAAGATG
 GATAGAGAGTTGCAAGATACATACTGTGTAATTATTCAAGCCAAGGACATGCTCGGTGAGCTGGAGCCT
 TGCTGGAACAACAACCGTATCAATTAAGCTGTGAGATTAATGACAACAAGCCAAATTTCAAAGAAAG
 TTTCTACCGCTTCACTATATCTGAATCTGCACCCATTGGAACATCAATAGGGAAAATTTAGGCATATGAT
 GATGACATAGGGGAGAATGCAGAGATGGAGTACAGCATTGAAGATGATGATTTCAAAAATATTTGACATAA
 TCATTGACAATGACACCCAAGAAGGGATAGTTATACTTAAAAAGAAAGTTGATTTTGAGCAGCAGAGCTA
 TTATGGCATTAGAGCTAAGGTTAAAACTGCCATGTGGATGAAGAGCTTGACCTGCCATGTTAACGCT
 TCCACAACCTACATTAAGTTCAAGTGAAGATGAAGTGAACCTCCTGTTTTCTTACCATATTACA
 TACTTGAATTCCTGAAGGAAAACCATATGGAACAATTGTGGGACGGTTCTGCCAGAGCCAGATCG
 AAGACAATCTCCTATGAGATATTATCTCACTGGAAGCAAAATGTTTGATATCAATGACAATGGAACAATA
 ATCACCCTAACATGCTTGACAGAGAGGTGAGTCTTGGTACAACCTTGACTGTACAGCTACTGAAACAT
 ACAATGTACAACAGATCTCTTACGCCATGTTTATGTACAAGTCTTAAACATTAACGACAATGCTCCAGA
 GTTCTCTCAATCTATGAGACTTATGTTTGTGAAAATGCTGAATCTGGTGAAGATAGTTTACAGATCATCAGT
 GCAATTGATAGAGATGAGTCCATAGAAGATCACCATTTTACTTTAATCACTCTCTGGAAGACACAAACA
 ACTCAAGTTTTATGCTAACAGACAATCAAGATAACACAGCTGTAATTCTGAGTAATAGAAGTGGTTTCAA
 TCTTAAAGAAGAGCCTGTCTTCTACATGATCATCTTGATTGCTGATAACGGGATCCCATCTCTACAAGC
 ACAAACTCTCACTATCCAAGTCTGTGACTGTGGAGACAGTAGAAACACAGAACTTGTGCTAACAGG
 GACTTCTCTTTATCATGGGATTCAGAACAGAGGCAATAATTGCCATCATGATATGTGTTATGGTAATATT
 TGGGTTTTTCTTTTGTCTTCTGCTCTGAAACAGCGAAGAAAGGAGACTCTATTTCCAGAGAAGACTGAA
 GACTTTAGGGAGAATATATTTTGTCTATGATGATGAAGGCGCGGGGAAGAAGACTCGGAAGCCTTTGACA
 TCGTAGAGCTGAGACAAAGTACAGTAATGAGAGAAAGAAAGCCTCAGAGAAGCAAGAGTGGCGGATCAG
 GAGCTTGTACAGGCAGTCCCTGCAGGTGGGCCAGACAGTGCATATTTGAAAATTTATCCTAGAGAAG
 CTTGAAGAAGCCAACACAGACCCATGTGCTCCCCCTTTGATTCACTACAGACGTTTGCCTATGAGGGAA
 CAGGGTCAATCAGCTGGCTCTCTGAGCTCCTTGGCATCCAGAGACACTGATCAGGAGGATGACTTCGACTA
 CCTTAATGACCTGGGACCTCGTTTTAAAAGATTAGCAAGCATGTTTGGCTCTGCAGTACAACCAACAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR221339 representing NM_001081386
Red=Cloning site Green=Tags(s)

MNYCFLKHWILMIPLLPCLKVSETLKAEKARRTVPSTWRAKRAWWRPFVVLEEMDDIQCVGKLRSDLD
 NGNNSFQYKLLGIGAGSFSINERTGEICAIQKLDREKSLYILRAQVIDTTIGKAVETESEFVIRVLDIN
 DNEPRFLDEPYEAIVPEMSPEGTFVIKVTANDADDPSTGYHARILYNLERGQPYFSVEPTTGIVIRISSKM
 DRELQDTYCVIIQAKDMLGQPGALSGTTTYSIKLSDINDNKPIFKESFYRFTISESAPIGTSIGKIMAYD
 DDIGENAEMEYSIEDDDSKIFDIIIDNDTQEGIVILKKKVDFEQQSYGIRAKVKNCHVDEELAPAHVNA
 STTYIKVQVEDEPPVFLPYIILEIPEGKPYGTIVGTVSATDPDRRQSPMRYLGTGSKMFDINDNGTI
 ITTNMLDREVSAYNLTVTATETYNVQIISAHVYVQVFNINDNAPEFSQFYETYVCENAESGEIVQIIS
 AIDRDESIEDHHFYFNHSLIEDTNSSFMLTDNQDNTAVILSNRTGFNLKEEPVFMIIILADNGIPSLTS
 TNTLTIQVDCGDSRNTETCANKGLLFIMGRTEAIIAIMICVMVIFGFFFLILALKQRKETLFPKETE
 DFRENIFCYDDEGGGEEDSEAFDIVELRQSTVMRERKPKRKSAAEIRSLYRQSLQVGPDSAI FRKF ILEK
 LEEANTDPCAPPFDSLQTFAYEGTGSSAGSLSSLASRDTDQEDDFDYLNDLGRPFKRLASMFSAVQPNN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9013_b10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

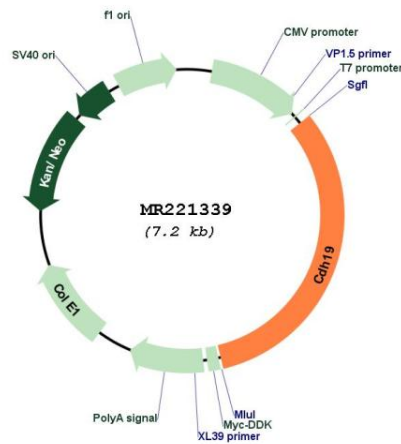
ACCN: NM_001081386

ORF Size: 2310 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:	<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_001081386.2</u>
RefSeq Size:	3054 bp
RefSeq ORF:	2313 bp
Locus ID:	227485
Cytogenetics:	1 E2.1
MW:	87.7 kDa

Product images:


Circular map for MR221339