

Product datasheet for **MR210847**

Cdh17 (NM_019753) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdh17 (NM_019753) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cdh17
Synonyms:	HPT-1; HPT-1/LI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR210847 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGTCTGCCAGCTTCACTTCTGTGTCTTCTCACACTTTATTTGACCTGTGGATATGGCGAAGAAG
 GGAAGTTCAGCGGTCCCTGAAGCCCATGACATTCTCCATTTTTGAAGGCCAAGAACCGAGTCAAGTCAT
 ATTCCAGTTTAAGACCAACCCTCCAGCTGTGACTTTTCGAGCTAACGGGAGAGACAGATGGTATATTTAAG
 ATAGAAAAGGATGGACTTCTGTATCACACAAGAGCCCTGGACAGAGAAAACAAGAGCGTTTCATCATCTGC
 AGCTTGCAGCCTTGGATTCTCATGGAGCTATAGTGGACGGTCCAGTCCCCATCACCATAGAAGTCAAGGA
 CATCAATGACAACCGACCCACGTTTCTCCAGTCAAATATGAAGGCTCAGTGAGGCAGAACTCTCGCCCA
 GGAAGCCTTTCATGTATGCAATGCTACAGATCTGGATGATCCGGCTACTCCCAATGGCCAGCTTTTTT
 ATCAAATTGTCATCCAATTCCCAATCAACGATGTTATGTACTTTCAAATCGACAGCAAAACAGGGGC
 AATATCGCTTACCCAGAAGGATCCAGGAATTGGATCCAGTGAAGAATCCTTCTACAACCTGGTGGTC
 TCGGTGAAGGACATGGGGGCCAGAGTGAGAATTCCTTCAGTGATACTACATATGTAGATATTTCTATTA
 GAGAGAATATCTGAAAGCACCAGAACCCTGGAGATTAGAGAAAACCTCGACTGATCCTCACCCCATCAA
 AATCACTCAGGTGCAGTGGAAATGACCCAGGGGCCAGTATTCTTAGTCAACAAGGAGAAGCTGTGCGCCG
 TTCCCATCTCGATCGACCAAGAAGGAAATATTTATGTGACTCAGGCCTTGGACCGGGAGAAAAGAACT
 CACATGTTTTCTTGAACCTGCCAAGGATGAGAATGAAAACCACTTGCATATCCACTGGAATTTATGT
 GAAAGTTATTGACATTAATGACAACCCACCGACATGCTGTCTCCAGTACTGATTTGAAGTCCAGGAG
 AATGAACCATGGGTAAACAGCATCGGGATCTTTGAGGCCCATGATATGGACGAAGCTAACAAACATCAACA
 GTATTTTGAATAACAAGCTTGTAGACCAAAACCCAAAGTTCCTCAGATGGACTTTTTCTCATTTGGTGA
 ATATGAGGGAAAAGTTCAGTTAAGTAAACAGTCCCTTGAAGAAGCAAGACAGTCCCTCAGTACAACCTAAGT
 ATCGAGGTGTCTGACGTAGATTTCAAGACTCTCTGTTATATTCAAGTCAACGTTATTGATATCAATGATC
 AGATTCATCTTTGAAACATCAAATTATGGAAGCAAGACTCTGTCTGAAGACACCGCCATCGGATCCAC
 CATCCTAATCATCCAAGCTACAGATGCTGATGAGCCCTTACAGGGAGCTCTAAAATCCTGTACAAGATT
 GTACAGGGAGACACGGAGGAAGACTAGAAGTTGTCACAGATCCCACGACCAATGCAGGATATGTCAAGA
 TCAAAAAGCCTCTTGATTTTGAACCTCAACCAGTTAGCAGCATTGTGTTCCAAGCGGAAAATCCTGAGCC
 ACTGGTGAAGGCATAGAGTACAATGCTAGTCTTTTGCCTCCTTCGAGCTGATTGTGACGGATGTGAAT
 GAAGTGCCTGTGTTCCCCAGCGAATATCCAAGCAAACGTCAGCGAGGATGCTGCTGTGGGCAGTAGAG
 TGGGCAACGTGACTGCCAGGGATCCTGAAGGCCTGACTGTGAGTATTCACTGAAAGGCAATATGAGAGG
 CTGGCTTAAAATCGACTCTGCTACTGGTGAATATTTAGTGTCTCCGCTGGATAGGGAACAGAAAGT
 GTGATCGAGTACAAGTGGTGGCCACTGAAGTAGGTGGTCTCTCTGAGTTCTACGGCAGATTTCCACC
 TGGTCTCACAGATGTGAATGACAACCCCTCGCCTAGCTAAGGACTACACAGGCTTGTCTTCTGCCA
 TCCCTCAGTGCCCTGGGAGCCTCATCTTTGAGGTCACTGACGATGACCAGCAGTCACTTCGGAGGCC
 AAGTTTACATTCGCCCTTGGCAGAGAAGGCTTACAAAGTACTGGGAAGTTTCAAAAATCAATGGTACAC
 ATGCTAGACTCTCACAGGCACACAGCTTTGAGGAACAAGTTTATAACATTCCAATCCGCATCAATGA
 TGGGGGCAGCCACCCATGGAAGGGACTGTCTTTACCAGTTACTTTCTGCCAGTGTGTGAAGGAAGC
 TGTTTCCGGCCAGCAGGCAGACAGGATGGGATACCCACTGTGGCATGGCAGTTGGTATACTTCTGACCA
 CATTTCTGGTCATTGGTATAATTTTAGCAGTTGTCTTCATCCGCATGAGGAAAGATAAAGTTGAAAATCC
 GCAGTCCCTGAGAATAAGCCTCTGAGAAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR210847 protein sequence

Red=Cloning site Green=Tags(s)

MVSAQLHFLCLLTLYLTCGYGEEGKFSGLPKMTFSIFEGQEPSQVIFQFKNPPAVTFELTGETDGIFK
IEKDGLLYHTRALDRETRAVHHLQLAALDSHGAIVDGPVPTITIEVKDINDNRPTFLQSKYEGSVRQNSRP
GKPFMYVNATDLDDPATPNGQLFYQIVIQLPQINDVMYFQIDSKTGAI SLTPEGSQELDPVKNPSYNL VV
SVKDMGGQSENSFSDTTYVDISIRENIWKAPEPVEIRENSTDPHPKITQVQWNDPGAQYSLVNKEKLS P
FPFSIDQEGNIYVTQALDREKNSHVFFATAKDENGKPLAYPLEIYVKVIDINDNPPTCLSPVTVFEVQE
NEPLGNSIGIFEAHDMDEANNINSILKYKLVDTPKVPSDGLFLIGEYEGKVQLSKQSLKKQDSPQYNLS
IEVSDVDFKTLCYIQVNVINDINDQIPIFETSNYGSKTLEDTAIGSTILIIQATDADEPFTGSSKILYKI
VQGDTEGRLEVVDPTTNAGYVKIKKPLDFETQPVSIVFQAENPEPLVKGIEYNASSFASFELIVTDVN
EVPVFPQRIFQANVEDAAVGSRVGNVTARDPEGLTVSYSLKGNMRGWLKIDSVTGEIFSAAPLDRETES
VYRVQVVATEVGGSSLSSTADFHLVLDVNDNPPRLAKDYTG LFFCHPLSAPGSLIFEVTDQDQSLRRP
KFTFALGREGLSQDWEVSKINGTHARLSTRHTRFEEQVYNIPIRINDGGQPPMEGTVFLPVTFQCQVEGS
CFRPAGRQDGIPTVGMVAGILLTTFLVIGIILAVVFIRMRKDKVENPQSPENKPLRS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_019753

ORF Size: 2484 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_019753.4](#)

RefSeq Size: 3475 bp

RefSeq ORF: 2484 bp

Locus ID: 12557

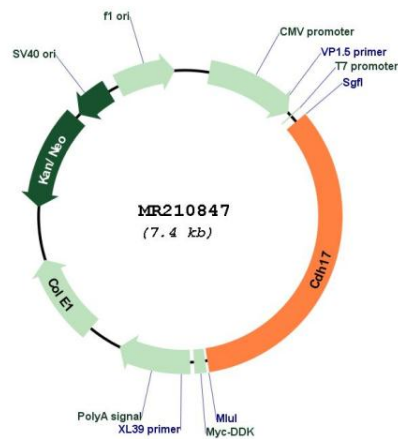
UniProt ID: [Q9R100](#)

Cytogenetics: 4 A1

MW: 91.6 kDa

Gene Summary: Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. LI-cadherin may have a role in the morphological organization of liver and intestine.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210847