

Product datasheet for **MG210847**

Cdh17 (NM_019753) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdh17 (NM_019753) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cdh17
Synonyms:	HPT-1; HPT-1/LI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG210847 representing NM_019753
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGTGTCTGCCAGCTTCACTTCTGTGTCTTCTCACACTTTATTTGACCTGTGGATATGGCGAAGAAG
 GGAAGTTCAGCGTCCCCGAAGCCATGACATTCTCCATTTTTGAAGGCCAAGAACCGAGTCAAGTCAT
 ATTCCAGTTTAAGACCAACCCTCCAGCTGTGACTTTTCGAGCTAACGGGAGAGACAGATGGTATATTTAAG
 ATAGAAAAGGATGGACTTCTGTATCACACAAGAGCCCTGGACAGAGAAAACAAGAGCGTTTCATCTCTGC
 AGCTTGCAGCCTTGGATTCTCATGGAGCTATAGTGGACGGTCCAGTCCCCATCACCATAGAAGTCAAGGA
 CATCAATGACAACCGACCCACGTTTCTCCAGTCAAATATGAAGGCTCAGTGAGGCAGAACTCTCGCCCA
 GGAAGCCTTTCATGTATGCAATGCTACAGATCTGGATGATCCGGCTACTCCCAATGGCCAGCTTTTTT
 ATCAAATTGTCATCCAATTCCCAATCAACGATGTTATGTACTTTCAAATCGACAGCAAAACAGGGGC
 AATATCGCTTACCCAGAAGGATCCAGGAATTGGATCCAGTGAAGAATCCTTCTACAACCTGGTGGTC
 TCGGTGAAGGACATGGGGGCCAGAGTGAGAATTCCTTCAGTGATACTACATATGTAGATATTTCTATTA
 GAGAGAATATCTGAAAGCACCAGAACCCTGGAGATTAGAGAAAACCTCGACTGATCCTCACCCCATCAA
 AATCACTCAGGTGCAGTGGAAATGACCCAGGGGCCAGTATTCTTAGTCAACAAGGAGAAGCTGTGCGCCG
 TTCCCATCTCGATCGACCAAGAAGGAAATATTTATGTGACTCAGGCCTTGGACCGGGAGAAAAGAACT
 CACATGTTTTCTTGAACCTGCCAAGGATGAGAATGAAAACCACTTGCATATCCACTGGAAATTTATGT
 GAAAGTTATTGACATTAATGACAACCCACCGACATGCTGTCTCCAGTACTGATTTGAAGTCCAGGAG
 AATGAACCATGGGTAAACAGCATCGGGATCTTTGAGGCCCATGATATGGACGAAGCTAACAAATCAACA
 GTATTTTGAATAACAAGCTTGTAGACCAACACCAAGTTCCTCAGATGGACTTTTTCTCATTTGGTGA
 ATATGAGGGAAAAGTTCAGTTAAGTAAACAGTCCCTTGAAGAAGCAAGACAGTCCCTCAGTACAACCTTAA
 ATCGAGGTGTCTGACGTAGATTTCAAGACTCTCTGTTATATTCAAGTCAACGTTATTGATATCAATGATC
 AGATTCATCTTTGAAACATCAAATTATGGAAGCAAGACTCTGTCTGAAGACACCGCCATCGGATCCAC
 CATCCTAATCATCCAAGCTACAGATGCTGATGAGCCCTTACAGGGAGCTCTAAAATCCTGTACAAGATT
 GTACAGGGAGACACGGAGGGAAGACTAGAAGTTGTCACAGATCCCACGACCAATGCAGGATATGTCAAGA
 TCAAAAAGCCTCTTGATTTTGAACCTCAACCAGTTAGCAGCATTGTGTTCCAAGCGGAAAATCCTGAGCC
 ACTGGTGAAGGCATAGAGTACAATGCTAGTTCTTTGCCTCCTTCGAGCTGATTGTGACGGATGTGAAT
 GAAGTGCCTGTGTTCCCCAGCGAATATCCAAGCAAACGTCAGCGAGGATGCTGCTGTGGGCAGTAGAG
 TGGGCAACGTGACTGCCAGGGATCCTGAAGCCTGACTGTGAGTTATTCAGTCAAAGGCAATATGAGAGG
 CTGGCTTAAAATCGACTCTGCTACTGGTGAATATTTAGTGTCTCCGCTGGATAGGGAACAGAAAGT
 GTGATCGAGTACAAGTGGTGGCCACTGAAGTAGGTGGTCTCTCTGAGTTCTACGGCAGATTTCCACC
 TGGTCTCACAGATGTGAATGACAACCCCTCGCCTAGCTAAGGACTACACAGGCTTGTCTTCTGCCA
 TCCCTCAGTGCCCTGGGAGCCTCATCTTTGAGGTCACTGACGATGACCAGCAGTCACTTCGGAGGCC
 AAGTTTACATTCGCCCTTGGCAGAGAAGGCTTACAAAGTACTGGGAAGTTTCAAAAATCAATGGTACAC
 ATGCTAGACTCTCACAGGCACACAGCTTTGAGGAACAAGTTTATAACATTCCAATCCGCATCAATGA
 TGGGGGCAGCCACCCATGGAAGGACTGTCTTCTTACCAGTTACTTTCTGCCAGTGTGTGAAGGAAGC
 TGTTTCCGGCCAGCAGGCAGACAGGATGGGATACCCACTGTGGCATGGCAGTTGGTATACTTCTGACCA
 CATTTCTGGTCATTGGTATAATTTTAGCAGTTGTCTTCCGCATGAGGAAAGATAAAGTTGAAAATCC
 GCAGTCCCTGAGAATAAGCCTCTGAGAAGC

ACCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

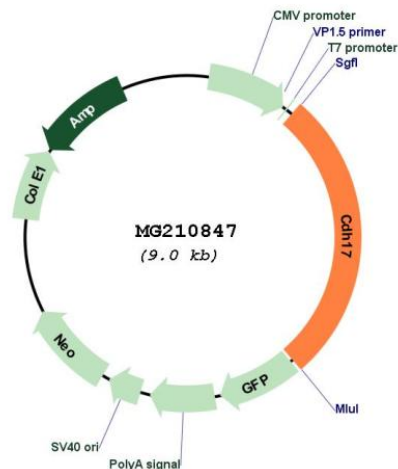
Protein Sequence: >MG210847 representing NM_019753
Red=Cloning site Green=Tags(s)

MVSAQLHFLCCLLTYLTCGYGEEGKFSGLPKMTFSIFEGQEPSQVIFQFKNPPAVTFELTGETDGIFK
IEKDGLLYHTRALDRETRAVHHLQLAALDSHGAIVDGPVPTITIEVKDINDNRPTFLQSKYEGSVRQNSRP
GKPFMYVNATDLDDPATPNGQLFYQIVIQLPQINDVMYFQIDSKTGAI SLTPEGSQELDPVKNPSYNLVV
SVKDMGGQSENSFSDTTYVDISIRENIWKAPEPVEIRENSTDPHPKITQVQWNDPGAQYSLVNKEKLS
FPFSIDQEGNIYVTQALDREKNSHVFFATAKDENGKPLAYPLEIYVKVIDINDNPPTCLSPVTVFEVQE
NEPLGNSIGIFEAHDMDEANNINSILKYKLVDTPKVPSDGLFLIGEYEGKVQLSKQSLKKQDSPQYNLS
IEVSDVDFKTLQYIYVVIDINDQIPIFETSNYGSKTLEDTAIGSTILIIQATDADEPFTGSSKILYKI
VQGDTEGRLEVVDPTTNAGYVVIKKPLDFETQPVSIVFQAENPEPLVKGIEYNASSFASFELIVTDVN
EVPVFPQRIFQANVEDAAVGSRVGNVTARDPEGLTVSYSLKGNMRGWLKIDSVTGEIFSAAPLDRETES
VYRVQVVATEVGGSSLSSTADFHLVLDVNDNPPRLAKDYTG LFFCHPLSAPGSLIFEVTDQDQSLRRP
KFTFALGREGLSQDWEVSKINGTHARLSTRHTRFEEQVYNIPIRINDGGQPPMEGTVFLPVTFQCQVEGS
CFRPAGRQDGIPTVGMVAVGILLTTFLVIGIILAVVFIRMRKDKVENPQSPENKPLRS

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Plasmid Map:



ACCN: NM_019753

ORF Size: 2481 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: 3414 bp

RefSeq ORF: 2484 bp

Locus ID: 12557

UniProt ID: [Q9R100](#)

Cytogenetics: 4 A1

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]