

Product datasheet for **MC221616**

Cdh10 (NM_009865) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdh10 (NM_009865) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cdh10
Synonyms:	A830016G23Rik; C030003B10Rik; C030011H18Rik; T2-cadh
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC221616 representing NM_009865
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGACAATCTATCAGTTCCTGAGACTGTTTGTCTCTGGGCATGCCTGCCCACTTCTGCTGTCCAGAAT
 TAACGTTTCAGAAGGACTCCTGGGATTCAGCAAATGACTGCAGAATCCCGTGCCCCAAGGAGTGATGGTAA
 AATCCTTCACCGTCAAAAACGTGGCTGGATGTGGAATCAGTTTTTCTTGCTGGAAGAATATACTGGATCT
 GATTATCAATATGTAGGCAAGCTTCATTAGACCAAGATAAAGGAGATGGATCGCTCAAATATATTTTGT
 CTGGAGACGGAGCTGGTACTCTTTTTATTATTGATGAGAAAACAGGTGATATTCATGCCACAAGAAGAAT
 TGATAGAGAAGAAAAGGCCTTTTATACTCTACGTGCACAAGCTATTAACAGAAGAACTCTGAGGCCAGTA
 GAACCAGAGTCAGAATTTGTGATCAAAATCCATGATATCAATGACAATGAGCCTACATCCAGAAGAAA
 TTTATACAGCCAGTGTCTGAAATGTCTGTTGTAGTACTTCTGTGGTCAAGTCACAGCTACAGATGC
 CGATGACCCTTCCTATGGAACAGCGCCAGAGTCAATTTACAGCATCCTTCAAGGGCAGCCTATTTCTCT
 GTGGAACCAAGAAACAGGTATCATCAGAACAGCTCTGCCAAATATGAACCGAGAGAACAAGAACAGTACC
 AGGTGGTTATTCAAGCCAAGGATATGGCGGCCAGATGGGGGGTTTGTCTGGAACCAACCAGTGAACAT
 CACTCTGACAGATGTCAACGACAATCCACTCGCTTCCCCAGAACCATCCATCTCAGAGTCTTGAA
 TCCTCTCCAGTTGGCACAGCTGTGGGAAGTGTAAAAGCCACTGATGCTGACACGGGGAAAAATGCTGAAG
 TGGATTACCGCATTATTGATGGAGATGGCACGGATATGTTTGACATTAACTGAGAAGGACACACAGGA
 AGGCATCATCACTGTGAAAAAGCCACTTGACTATGAGAACCGAAGACTATATACTCTGAAGGTGGAGGCA
 GAAAACACCCATGTGGATCCACGTTTTTATTATCTAGGGCCATTCAAAGATACTACAATTTGAAAAATCT
 CCATAGAAGACGTGGACGAGCCTCTGTTTTTCAGTCGATCCTCCTATCTGTTTGAGGTTTCATGAGGATAT
 TGAAGTAGGCACAATCATTGGTACTGTAATGGCAAGAGATCCTGATTCTACATCCAGTCCCATCAGATTT
 ACATTGGATCGCCATACTGACCTTGACAGGATCTTTAACATTCTGAAATGGATCGCTTTATACAT
 CAAAGCCACTTGATCGTGAATTATCTCAATGGCACAATCTTACGTTATAGCTGCTGAGATCAATAATCC
 TAAAGAGACAACCTCGTGTCTGTTTTTGTGAGGATTTTGGATGTTAATGACAACGCTCCACAATTTGCT
 GTGTTTTATGACACATTTGATGTGAAAATGCCAGACCAGGACAGCTGATACAGACCATAAGTGCAGTTG
 ACAAGATGACCCCTTAGGTGGACAGAAGTTTTTCTTCAGTTTGGCTGCTGTGAATCCGAACTTTACAGT
 ACAAGATAATGAAGACAACACTGCTAGAATTTTAAACAAGAAAGAATGGCTTCAACCGTCATGAAATAAGC
 ACCTATCTACTGCCGGTGGTATATCGGATAACGACTACCCAATTCAGAGCAGCACTGGCACCCCTGACGA
 TCCGTGTGTGCGCCTGTGACAGCCAAGGCAACATGCAAGTCTGTAGTGTGAAGCCCTGCTCCTCCCGC
 TGGCCTCAGCACTGGCGCCTTGATCGCCATTCTCCTCTGCATCATTATTCTGCTGGTTATAGTAGTCCTC
 TTTGCAGCCCTCAAAGGCAACGGAAGAAAGAGCCTCTGATTCTATCCAAGGAGGACATCAGAGACAACA
 TCGTGAGCTATAACGACGAAGGTGGTGGAGAGGAGGACACCCAGGCCTTTGATATAGGAACCTGAGGAA
 CCCTGCAGCTATCGAGGAGAAAAAGCTCCGGCGAGATATAATTCCTGAAACGTTATTTATACCCCGGAGG
 ACTCCTACCGCCCAGATAACACCGATGTCGGGATTTTATTACGAGCGACTCAAAGAGCATGACCTGG
 ACCCCACTGCGCCTCCCTACGACTCACTGGCTACCTACGCCTACGAAGGAAACGACTCCGTGGCCGAATC
 TCTGAGCTCTTTAGAATCAGGTACCACTGAAGGAGACCAAACTACGATTACCTCCGAGAATGGGGACCT
 CGGTTTAAATAAACTAGCAGAAATGTACGGTGGTGGCGAGAGCGACAAGATGCT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_009865
Insert Size: 2367 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	NM_009865.3 , NP_033995.1
RefSeq Size:	3425 bp
RefSeq ORF:	2367 bp
Locus ID:	320873
UniProt ID:	P70408
Cytogenetics:	15 8.2 cM
Gene Summary:	<p>This gene encodes a member of the cadherin family of calcium-dependent glycoproteins that mediate cell adhesion and regulate many morphogenetic events during development. The encoded preproprotein is further processed to generate a mature protein. This gene is expressed in the blood-brain barrier and retinal endothelia suggesting a role in the development and maintenance of brain barrier. Alternative splicing results in multiple transcript variants. Multiple distinct genes of the cadherin family, including this gene, are found on chromosome 15. [provided by RefSeq, Oct 2015]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.</p>