

Product datasheet for **MC221685**

Cdh11 (NM_009866) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdh11 (NM_009866) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cdh11
Synonyms:	Cad1; Cad11; OB-cad; OSF-4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221685 representing NM_009866
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGGAGAACTACTGTTTACAAGCTGCCTGGTGTGCCTGAGCATGCTATACCACAGCCAGGCGTTTG
 CTCTGGAGCGACGAAGCCACCTGCATCCCTCTTTCCATGGACACCATGAGAAGGGCAAGGAGGGGAGGT
 GCTGCAACGCTCCAAGAGAGGCTGGGTCTGGAACCAATCTTTGTGATAGAAGAGTACACCGGGCCTGAC
 CCTGTGCTGGTGGCAGGCTTCATTCTGACATTGACTCCGGTGTGGAAACATTAATAACATTCTCTCAG
 GTGAAGGAGCGGGAACATTTTTGTGATTGATGACAAATCAGGGAACATTCATGCCACCAAGACATTGGA
 CCGAGAGGAGAGAGCCAGTACACACTGATGGCTCAGGCGGTGGACAGGGACACCAACAGACCACTGGAG
 CCACCTTCAGAATTCATTGTTAAGGTCCAGGACATTAATGACAACCTCCAGAGTTTCTGCATGAAATCT
 ATCATGCCAATGTGCCTGAGAGGTCCAATGTGGGAACATCAGTTATCCAAGTGACAGCCTCTGATGCAGA
 TGATCCCACCTATGGAAATAGTGCCAAGTTAGTGTATAGCATCCTTGAAGGACAACCTATTTCTCGGTG
 GAGGCCAAACAGGTATCATCAGGACAGCCCTTCCAATATGGACAGAGAAGCCAAGGAGGAGTACCACG
 TGGTGATCCAGGCCAAGGACATGGTGGACACATGGTGGACTCTCAGGGACAACCAAAGTGACGATCAC
 TCTGACTGATGTCAACGACAACCCACCAAAGTTTCCACAGAGCGTGTACCAGATGTCTGTATCAGAAGCA
 GCTGTCCCGGGGAGGAAGTAGGAAGGGTGAAGGCTAAAGACCCAGACATTGGAGAAAATGGCTTAGTCA
 CATACAATATCGTTGATGGAGACGGCATAGAATGTTTGAATTAACAACAGACTATGAAACACAGGATGG
 TGTGGTGAAGCTGAAAAGCCTGTAGATTTTGAACAAAAGAGCTTATAGCTTGAAGATAGAGGCCGCC
 AATGTTACATTGATCCGAAGTTCATCAGCAATGGACCTTCAAGGACACTGTGACCGTCAAGATTTAG
 TAGAAGATGCCGATGAGCCTCCCATGTTCTTGGCCCCAAGTTATATCCATGAAGTTCAAGAAAATGCAG
 TGCTGGCACTGTGGTTGGGAGAGTACATGCCAAAGACCCAGATGCTGCCAACAGCCCAATAAGGTATTCA
 ATTGATCGTCATACTGACCTCGACAGGTTTTTACGATTAATCCAGAAGATGGTTTTATTAATAACTACGA
 AACCTCTAGATAGGGAAGAACTGCCTGGCTCAACATCTCTGTCTTCGCAGCAGAAATTCACAACAGACA
 TCAGGAAACCAAAGTCCCAGTGGCCATCAGGGTCTGGATGTCAATGACAATGCTCCTAAGTTTGTCTGCC
 CCTTATGAAGTTTTATCTGTGAGAGCGATCACCCCAAGGCACTCTCAACCAGCCAATAGTTACAGTTA
 GTGCAGATGACCAGGACGACACAGCCAATGGACCAAGATTTATCTTCAGCCTACCCCTGAAATCATGCA
 CAACCCAACTTCACAGTAAGAGACAACAGAGATAAACTGCAGGAGTATATGCCGACGTGGAGGGTTC
 AGTCGGCAGAAGCAGGACTTCTACCTCCTGCCATTGTGATCAGTGTGGTGGCATTCCACCTATGAGTA
 GCACCAATACCCTCACTATCAAAGTCTGTGGCTGTGATGTGAATGGGGCACTGTTGTCTGTAACGCTGA
 AGCCTACATCCTGAATGCCGGTCTGAGCACTGGGGCACTGATCGCCATCCTTGCCTGCATCGTCATTCTT
 CTGGTCATCGTTGTGCTGTTGTTACCCTGAGGAGGCAAAAGAAAGAACCACTCATTGTATTTGAAGAGG
 AGGATGTCCGTGAGAACATCATAACCTATGATGATGAAGGGGGTGGTGGAGGAGACACTGAAGCCTTCGA
 CATAGCCACCCTGCAGAACTCTGACGGCATCAATGGATTTATCCCTCGCAAAGATATCAAACCTGAGTAT
 CAGTATATGCCTAGACCTGGGCTGCGACCAGCACCAACAGTGTGGATGTGGACGACTTCATCAACACAA
 GAATACAGGAGGCAGATAATGATCCCACAGCCCCCTCCCTATGACTCCATCCAATCTATGGTTATGAGGG
 CCGGGGTTCCGTGGCTGGTCCCTGAGCTCCTTGGAGTCTGCCAGCAGACTCAGACCTGGACTACGAC
 TATCTACAGAACTGGGGACCTCGTTTTAAGAACTGGCAGACTTGATGGCTCCAAGACACTTTTGATG
 ATGACTCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1857_h08.zip

Restriction Sites: SgfI-MluI

ACCN: NM_009866

Insert Size: 2391 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	BC046314 , AAH46314
RefSeq Size:	4216 bp
RefSeq ORF:	2391 bp
Locus ID:	12552
UniProt ID:	P55288
Cytogenetics:	8 50.44 cM
Gene Summary:	<p>This gene encodes a type II classical cadherin and preproprotein that is proteolytically processed to generate a mature protein product. This protein product is an integral membrane protein that mediates calcium-dependent cell-cell adhesion, specifically in the context of bone development. Homozygous knockout mice for this gene exhibit impaired synovium development and reduced bone density. Multiple pseudogenes of this gene have been identified in the genome. [provided by RefSeq, Aug 2015]</p>