

Product datasheet for **MR225628**

Cdh11 (NM_009866) Mouse Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide
Sequence:

>MR225628 representing NM_009866
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAGGAGAACTACTGTTTACAAGCTGCCTGGTGTGCCTGAGCATGCTATACCACAGCCAGGCGTTTG
CTCTGGAGCGACGAAGCCACCTGCATCCCTCTTTCCATGGACACCATGAGAAGGGCAAGGAGGGGAGGT
GCTGCAACGCTCCAAGAGAGGCTGGGTCTGGAACCAATCTTTGTGATAGAAGAGTACACCGGGCCTGAC
CCTGTGCTGGTGGCAGGCTTCATTCTGACATTGACTCCGGTGTGGAAACATTAATACATTCTCTCAG
GTGAAGGAGCGGGAACATTTTTGTGATTGATGACAAATCAGGGAACATTCATGCCACCAAGACATTGGA
CCGAGAGGAGAGAGCCAGTACACACTGATGGCTCAGGCGGTGGACAGGGACACCAACAGACCACTGGAG
CCACCTTCAGAATTCATTGTTAAGGTCCAGGACATTAATGACAACCTCCAGAGTTTCTGCATGAAATCT
ATCATGCCAATGTGCCTGAGAGGTTCCAATGTGGGAACATCAGTTATCCAAGTGACAGCCTCTGATGCAGA
TGATCCCACCTATGGAAATAGTGCCAAGTTAGTGTATAGCATCCTTGAAGGACAACCTATTTCTCGGTG
GAGGCCAAACAGGTATCATCAGGACAGCCCTTCCAATATGGACAGAGAAGCCAAGGAGGAGTACCACG
TGGTGATCCAGGCCAAGGACATGGTGGACACATGGTGGACTCTCAGGGACAACCAAAGTGACGATCAC
TCTGACTGATGTCAACGACAACCCACAAAGTTTCCACAGAGCGTGTACCAGATGTCTGTATCAGAAGCA
GCTGTCCCGGGGAGGAAGTAGGAAGGGTGAAGGCTAAAGACCCAGACATTGGAGAAAATGGCTTAGTCA
CATACAATATCGTTGATGGAGACGGCATAGAATGTTTGAATTAACAACAGACTATGAAACACAGGATGG
TGTGGTGAAGTGAAAAAGCCTGTAGATTTTGAACCAAAAGAGCTTATAGCTTGAAGATAGAGGCCGCC
AATGTTACATTGATCCGAAGTTCATCAGCAATGGACCTTCAAGGACACTGTGACCGTCAAGATTTTCA
TAGAAGATGCCGATGAGCCTCCCATGTTCTTGGCCCAAGTTATATCCATGAAGTTCAAGAAAATGCAGC
TGCTGGCACTGTGGTTGGGAGAGTACATGCCAAAGACCCAGATGCTGCCAACAGCCAATAAGGTATTCA
ATTGATCGTCATACTGACCTCGACAGGTTTTTTCACGATTAATCCAGAAGATGGTTTTATTAATAACTACGA
AACCTCTAGATAGGGAAGAACTGCCTGGCTCAACATCTCTGTCTTCGCAGCAGAAAATCACAACAGACA
TCAGGAAACCAAAGTCCCAGTGGCCATCAGGGTCTGGATGTCAATGACAATGCTCCTAAGTTTGTCTGCC
CCTTATGAAGTTTTATCTGTGAGAGCGATCACCCCAAGGCACTCTCAACCAGCCAATAGTTACAGTTA
GTGCAGATGACCAGGACGACACAGCCAATGGACCAAGATTTATCTTCAGCCTACCCCTGAAATCATGCA
CAACCCAAACTTCACAGTAAGAGACAACAGAGATAAACTGCAGGAGTATATGCCCGACGTGGAGGGTTC
AGTCGGCAGAAGCAGGACTTCTACCTCCTGCCATTGTGATCAGTGATGGTGGCATTCCACCTATGAGTA
GCACCAATACCCTCACTATCAAAGTCTGTGGCTGTGATGTGAATGGGGCACTGTTGTCTGTAACGCTGA
AGCCTACATCCTGAATGCCGGTCTGAGCACTGGGGCACTGATCGCCATCCTTGCCTGCATCGTCATTCTT
CTGGTCATCGTTGTGCTGTTTGTACCCTGAGGAGGCAAAAGAAAGAACCACTCATTGTATTTGAAGAGG
AGGATGTCCGTGAGAACATCATAACCTATGATGATGAAGGGGGTGGTGGAGGAGACTGAAGCCTTCGA
CATAGCCACCCTGCAGAACTCTGACGGCATCAATGGATTTATCCCTCGCAAAGATATCAAACCTGAGTAT
CAGTATATGCCTAGACCTGGGCTGCGACCAGCACCAACAGTGTGGATGTGGACGACTTCATCAACACAA
GAATACAGGAGGCAGATAATGATCCCACAGCCCCTCCCTATGACTCCATCCAATCTATGGTTATGAGGG
CCGGGGTTCGGTGGCTGGTCCCTGAGCTCCTTGGAGTCTGCCAGGACAGACTCAGACCTGGACTACGAC
TATCTACAGAACTGGGGACCTCGTTTTAAGAACTGGCAGACTTGTATGGCTCCAAGACACTTTTGATG
ATGACTCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR225628 representing NM_009866
Red=Cloning site Green=Tags(s)

MKENYCLQAALVCLSMLYHSQAFALERRSHLHPSFHGHHEKGEQVLQRSKRGWVWNQFFVIEEYTGPD
PVLVGRHLHSDIDSGDGNIKYILSGEGAGTIFVIDDKSGNIHATKTLDREERAQYTLMAQAVDRDTNRPLE
PPSEFIVKVQDINDNPPEFLHEIYHANVPERSNVGTSVIQVTASDADDPTYGNSAKLVYSILEGQPYFSV
EAQTGIIRTALPNMDREAKEEYHVVIQAKDMGGHMGGLSGTTKVTITLTDVNDNPPKFPQSVYQMSVSEA
AVPGEEVGRVKAKDPDIGENGLVTYNIVDGDIELFEITTDYETQDGVVKLKKPVDFETKRAYSLKIEAA
NVHIDPKFISNGPFKDTVTVKISVEDADEPPMFLAPSYIHEVQENAAAAGTVVGRVHAKDPAANSPIRYS
IDRHTDLDRFFTINPEDGFIKTTKPLDREETAWLNISVFAAEIHNHRHETKVPVAIRVLDVNDNAPKFAA
PYEGFICESDHPKALSNQPIVTVSADDQDDTANGPRFIFSLPPEIMHNPNTVRDNRDNTAGVYARRGGF
SRQKQDFYLLPIVISDGGIPPMSSNTLTIKVCGCDVNGALLSCNAEAYILNAGLSTGALIAILACIVIL
LVIVVLFVTLRRQKKEPLIVFEEEDVRENIITYDDEGGGEEDTEAFDIATLQNPDGINGFIPRKDIKPEY
QYMPRPGLRPAPNSVDVDDFINTRIQEADNDPTAPPYDSIQIYGYEGRGSVAGSLSSLESATTDSDLDYD
YLQNWGPRFKKLADLYGSKDTFDDDS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:


ACCN: NM_009866

ORF Size: 2388 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_009866.5](#)

RefSeq Size: 4216 bp

RefSeq ORF: 2391 bp

Locus ID: 12552

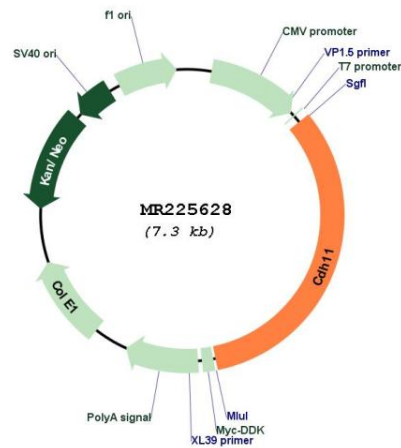
UniProt ID: [P55288](#)

Cytogenetics: 8 50.44 cM

MW: 88.6 kDa

Gene Summary: 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]

Product images:



Circular map for MR225628