

Product datasheet for **MC221660**

Cdh12 (NM_001008420) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Cdh12 (NM_001008420) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Cdh12 |
| Synonyms: | Br-cad; Cdhb |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >MC221660 representing NM_001008420
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTTACAAGGAACCTTTTATACCTGCTTCTCTGGATCCTGTTTATGAGGTCTCCTAACACCACTTC
 AGCCACAGCCCCAACAGACTTTAGCCACAGAACCAAAAAGAAAATGTTATCCACCTTCGGGGAGACGATC
 CCATTTCCAACGAGTTAAACGTGGCTGGGTATGGAATCAGTTTTTTGTGCTGGAAGAGTACATGGCTCC
 GAACCTCAATATGTGGGGAAGCTGCATTTCGACTTGGATAAAGGAGAGGGCACTGTTAAATACACGCTCT
 CCGGAGATGGTGTGGCACTGTTTTTACAATTGATGAACTACAGGAGACATTCATGCAATAAGAAGCCT
 GGATAGAGAAGAAAAACCTTTCTACACTCTTCGTGCTCAGGCAGTGGACATAGAAACCAGGAAGCCACTG
 GAGCCTGAATCAGAGTTCATCATTAAAGTGCAGGATATTAATGACAATGAACCAAAGTTTTTGGATGGAC
 CTTATGTTGCTAGTGTCCAGAAATGTCTCCTGTGGGTGCGTATGTGCTGCAGGTGAAGGCCACAGATGC
 AGACGATCCTACCTATGGGAACAGTCCAGAGTGTTCACAGCATCCTTCAGGGCAACCTTATTTCTCT
 ATTGATCCAAAAACAGGTGTCATTAGAACAGCATTGCCAAACATGGACAGAGAAGTCAAAGAGCAGTACC
 AGGTCCTCATTCAAGCGAAAGACATGGGAGGACAGCTCGGAGGACTTGCTGGAACACAGTTGTCAACAT
 CACCCTTACTGATGTCAATGACAACCCACCTCGCTTCCAAAAAGCATCTTCCATCTGAAAGTCCCGAG
 TCTTCCCTGTTGGCTCAGCTATTGGAAGAATAAGAGCAGTAGATCCTGATTTTGGAAAAATGCAGAAA
 TTGAATACAACATTGTCCAGGAGATGGGGAAATTTGTTTGACATTGTCACAGATGAGGATACACAAGA
 AGGAATCATCAATTGAAAAAGCCTTTAGATTTTGAACCAAGAAGGCATATACTTTTAAAGTAGAGGCC
 TCCAACCTTACCTTGACCACCGCTTTCACCTGCTGGCCATTTAAGGATACTGCTACAGTAAAAATCA
 GCGTGTGGATGTGGATGAGCCACCAGTGTTCAGCAAAACCATTACACCATGGAGGTTTTATGAAGACAC
 TCCTGTGGGACCATCATCGGAGCTGTCACAGCAAGACCTTGATGTGGGCAGTAGTGCTGTTAGGTAC
 TTCATAGATTGGAAGAGTGTGGGAGAGCTACTTTACAATAGATGGAACGGAAGGAACCATCGCCACTA
 ATGAATTAAGACAGAGAGAACATGGCGCAGTATAATTTCTCCATAATTGCAAGTAAAGTTAGTAACCC
 ATTATTAAGTAAAGTTAACATACTAATTAATGTCCTAGATGTCAATGAATTTCTCCAGAAATATCT
 GTGCCATATGAGACAGCTGTATGTGAGAATGCCAAGCCAGGACAGATAATTCAGATAGTTGGTGTGTAG
 ACCGAGATCTCTACCTGCTGGCAGCAATTCCTTTAGATTAGCACCAGAGGCTGTATCAAACCAAA
 TTTTACAGTCCATGACTTCAGAAACAACACAGCTGGAATCGAAACCCGAAGAAATGGCTATAGCCGCAGG
 CAGCAGGAGTTGATTTCTTCCATTGTAATAGAAGACAGCAGTTATCCTGTCCAGAGCAGCACGAATA
 CAATGACTATTCGTGTTGTAGGTGTGACTCAGATGGGACCATCCTGTCTTGCAACGTGGAAGCAATTTT
 TCTACCTGTAGGACTCAGCACTGGAGCTTTGATTGCAATCCTACTATGCATGGTTATACTCTTAGCTATT
 GTTGTGCTGTATGTAGCACTGAGGAGGCAGAGGAAGAAAGACACCCTTATGACCTCTAAAGAAGACATCA
 GAGACAATGTCATCCATTATGACGATGAAGGAGGTGGGGAGGAGGACACCCAGGCCTTTGACATCGGGGC
 TCTGAGAAATCCCAAGGTGATCGAAGAGAACAATAATTCGAGGGATATAAAACCAGACTCCCTCTGTTTA
 TCTCGTCAAAGACCACAAGTGAAGACAACACAGACATAAGGGATTTTATTCACCGAAGGCTACAGGAAA
 ATGACGCAGACCCAGCGGCTCCACCATACGATTCCTTGGCCACTTATGCGTATGAGGGGAATGGCTCAGT
 GGCAGAATCACTCAGCTCCATAGACTCTCTCACCACAGAAGCCGACCAGGACTATGACTATCTATCAGAC
 TGGGGACCCCGCTTTAAGGTCTTGGCAGACATGTTTGGAGAAGAAGAGAGTTACAACCCCGACAATGTTA
 CCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001008420
Insert Size: 2385 bp

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| 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_001008420.2 , NP_001008420.1 |
| RefSeq Size: | 5666 bp |
| RefSeq ORF: | 2385 bp |
| Locus ID: | 215654 |
| UniProt ID: | Q5RJH3 |
| Cytogenetics: | 15 8.25 cM |
| Gene Summary: | 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 both the excitatory and inhibitory neurons in various areas of the adult central nervous system including the cerebellum, neocortex, hippocampus and in different subcortical nuclei. Multiple distinct genes of the cadherin family, including this gene, are found on chromosome 15. [provided by RefSeq, Nov 2015] |