

Product datasheet for **MC221847**

Cdh3 (NM_007665) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdh3 (NM_007665) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cdh3
Synonyms:	AI385538; Ca; Cadp; Cdhp; P-cad; P-cadherin; Pc; Pcad
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221847 representing NM_007665
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCTTCTTAGTGGCCTCACGCCCTCCTGCTCCTCTGCTCCAGGTTTGCTGGCTACGCAGCGTGG
 TCTCCGAGCCCTACCGAGCGGGCTTCATCGGGGAGGCTGGAGTGACCTTGAGGTTGAAGGAACTGACCT
 GGAGCCGAGCCAAGTTCTGGGAAAGCCTTGGCTGGACAGGGCATGCACCATGCAGACAATGGAGACATC
 ATTATGCTGACTAGGGGACAGTTCAGGGAGGGAAGGATGCGATGCACTCCCAACCCACCCGCATCTTAA
 GGAGACGAAAGAGAGAGTGGGTGATGCCACCAATATTCGTCCTCCGAGAATGGCAAGGGTCCCTTCCCTCA
 GAGGCTGAATCAGCTCAAATCTAATAAGGACAGAGGCACCAAGATTTTCTACAGCATCACAGGGCCTGGC
 GCAGACAGTCCCCCGAAGGAGTCTTACCATAGAGAAGGAGTCGGGCTGGCTGTTGTTGCATATGCCAC
 TGGACAGGGAGAAGATTGCAAGTACGAGCTTTATGGCCACGCTGTATCTGAGAATGGTGCCTCTGTAGA
 GGAGCCATGAACATATCCATCATTGTGACAGACCAGAATGACAACAAGCCCAAGTTCACCAAGACACC
 TTCAGAGGGAGTGTCTGGAGGGAGTAATGCCTGGCACTTCTGTGATGCAGGTGACAGCCACAGATGAGG
 ACGATGCTGTCAACACTTACAATGGGGTGGTGGCTTACTCCATCCATAGCCAAGAGCCGAAGGAGCCACA
 CGACCTCATGTTACCATCCATAAAAGCACGGGAACCATTAGCGTCATATCCAGTGGCCTGGACCGAGAG
 AAAGTCCCTGAGTACAGACTGACCGTCCAGGCCACAGACATGGATGGAGAGGGCTCTACCACGACGGCAG
 AGGCCGTTGTGCAAACTCTTGATGCCAACGATAACGCTCCGGAGTTTGAGCCGAGAAAGTATGAGGCTTG
 GGTGCCTGAGAACGAAGTGGGCCATGAGGTACAGAGGCTGACAGTACTGATCTCGATGTCCCAACTCG
 CCAGCGTGGCGTCCACCTACCACATCGTGGGAGGTGATGATGGGACCATTTACCATCACCACCTACC
 CAGAACCAACCAAGGCGTCTGACAACCAAGAAGGGTTTGATTTTGAGGCTCAGGACCAACACACCCT
 GTATGTAGAAGTGACCAACGAGGCTCCCTTTGCAAGTGAAGCTCCCGACAGCCACTGCCACCGTGGTGGTC
 CATGTGAAAGATGTCAACGAAGCCCTGTGTTTGTCCACCTTCAAGGTCATTGAGGCCAGGAAGGCA
 TCTCTATTGGGAACTGGTCTGCATCTATACCGCACAGGACCCAGACAAGGAGGACCAGAAGATCAGCTA
 CACCATCTCGAGAGATCCAGCCAAGTGGCTTGTGTGGACCCAGACAGTGGTCAGATAACTGCCGACGGC
 ATCTTGGATCGTGAGGACGAGCAGTTTGTGAAAAACAATGTCTACGAAGTCATGGTTTTGGCCACAGACA
 GTGAAACCCCTCCACCACCGGCACTGGGACCCTCCTGCTTACACTTACTGACATCAACGACCATGGCCC
 GATCCCTGAACCCAGGCAGATCATCTGTAAACCAAGCCCTGTGCCTCAAGTGTGAACATCACTGAC
 AAGGACCTGTCCCAACTCCTCCCTTCCAGGCCAGCTAACACATGACTCAGATATCTACTGGATGG
 CAGAAGTCAGCGAGAAAGGAGACACCGTGGCCTTGTCCCTGAAGAAGTTCCTGAAACAAGACACGTATGA
 CTTGCATCTTTTGTCTGACCATGGCAACAGGGAACAGCTAACCATGATCAGGGCCACTGTGTGTGAC
 TGCCATGGCCAAGTGTCAATGACTGCCCCAGACCCTGGAAGGGTGGTTTCATCCTCCCCATCCTGGGTG
 CTGTCTGGCACTGCTGACCTTCTACTGGCACTCCTCCTGTTGGTGAGGAAGAAGAGGAAGGTCAAAGA
 GCCCTTCTGCTCCAGAAGATGACACGCGAGACAATGTCTTCTATTATGGAGAAGAGGGTGGTGGTGAA
 GAGGACCAGGACTATGACATACCCAACCTCCACCGGGGACTGGAGGCCAGGCCTGAGGTGGTCTCCGAA
 ACGATGTAGTGCCAACCTTATCCCCACCCCATGTACCGACCCCGCCGCCAACCCAGATGAAATCGG
 GAACTTCATCATCGAGAACCTGAAGGCTGCCAACACTGACCCTACTGCCCGCCCTACGACTCCCTGCTG
 GTTTTTGACTACGAGGGCAGCGGCTCTGATGCCGCTCCCTGAGCTCCCTACCAGCTCCGCTCCGACC
 AGGATCAGGACTACAACCTAACGAGTGGGGAAGTCGATTCAAGAACTGGCGGACATGTATGGTGG
 CGGTGAGGATGAC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_007665
Insert Size: 2466 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_007665.3 , NP_031691.1
RefSeq Size:	4034 bp
RefSeq ORF:	2466 bp
Locus ID:	12560
Cytogenetics:	8 53.16 cM
Gene Summary:	<p>This gene encodes a calcium-dependent cell-cell adhesion protein containing five cadherin domains. The encoded protein plays a role in epithelial outgrowth, such as that which occurs during the development of hair follicles and limb buds. Loss of function of the related gene in humans results in ectodermal dysplasia, ectrodactyly, and macular dystrophy and congenial hypotrichosis with juvenile macular dystrophy. This gene is located in the vicinity of similar cadherin genes on chromosome 8. The proprotein is further cleaved into a functional chain. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2013]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site, compared to variant 1. The encoded isoform (b) is shorter than isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>