

Product datasheet for **MC221848**

Cdh3 (NM_001037809) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdh3 (NM_001037809) 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: >MC221848 representing NM_001037809
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGCTTCTTAGTGGCCTCACGCCCTCCTGCTCCTCTGCTCCAGGTTTGCTGGCTACGCAGCGTGG
 TCTCCGAGCCCTACCGAGCGGGCTTCATCGGGGAGGCTGGAGTGACCTTGAGGTTGAAGGAACTGACCT
 GGAGCCGAGCCAAGTTCTGGGAAAGTAGCCTTGCCGGACAGGGCATGCACCATGCAGACAATGGAGAC
 ATCATTATGCTGACTAGGGGGACAGTTCAGGGAGGGAAGGATGCGATGCACTCCCCACCCACCCGCATCT
 TAAGGAGACGAAAGAGAGAGTGGGTGATGCCACCAATATTCGTCGCCGAGAATGGCAAGGGTCCCTTCCC
 TCAGAGGCTGAATCAGCTCAAATCTAATAAGGACAGAGGCACCAAGATTTTCTACAGCATCACAGGGCCT
 GGCGCAGACAGTCCCCCGAAGGAGTCTCACCATAGAGAAGGAGTCGGGCTGGCTGTTGTTGCATATGC
 CACTGGACAGGGAGAAGATTGTCAAGTACGAGCTTTATGGCCACGCTGTATCTGAGAATGGTGCCTCTGT
 AGAGGAGCCCATGAACATATCCATCATTGTGACAGACCAGAATGACAACAAGCCCAAGTTCACTCAAGAC
 ACCTTCAGAGGGAGTGTCTGGAGGGAGTAATGCCTGGCACTTCTGTGATGCAGGTGACAGCCACAGATG
 AGGACGATGCTGTCAACACTTACAATGGGGTGGTGGCTTACTCCATCCATAGCCAAGAGCCGAAGGAGCC
 ACACGACCTCATGTTACCATCCATAAAAGCACGGGAACCATAGCGTCATATCCAGTGGCCTGGACCGA
 GAGAAAGTCCCTGAGTACAGACTGACCGTCCAGGCCACAGACATGGATGGAGAGGGCTCTACCACGACGG
 CAGAGGCCGTTGTGCAAACTCTTGATGCCAACGATAACGCTCCGGAGTTTGAGCCGAGAAGTATGAGGC
 TTGGGTGCCTGAGAACGAAGTGGCCATGAGGTACAGAGGCTGACAGTACTGATCTCGATGTCCCAAC
 TCGCCAGCGTGGCGTCCACCTACCACATCGTGGGAGGTGATGATGGGGACCATTCACCATCACCACCTC
 ACCAGACCAACCAAGGCGCTGACAACCAAGAAGGTTTGGATTTTGAGGCTCAGGACCAACACAC
 CCTGTATGTAGAAGTGACCAACGAGGCTCCCTTTGCAAGTGAAGCTCCCGACAGCCACTGCCACCGTGGTG
 GTCATGTGAAAGATGTCAACGAAGCCCTGTGTTTGTCCACCTTCCAAGGTCATTGAGGCCCAGGAAG
 GCATCTCTATTGGGGAAGTGGTCTGCATCTATACCGCACAGGACCAGACAAGGAGGACCAGAAGATCAG
 CTACACCATCTCGAGAGATCCAGCCAAGTGGCTTGTGTTGGACCCAGACAGTGGTCAAGTAACTGCCGCA
 GGCATCTTGATCGTGAGGACGAGCAGTTTGTGAAAAACAATGTCTACGAAGTATGTTTGGCCACAG
 ACAGTGGAAACCTCCCACCACCGGCACTGGGACCCTCCTGCTTACACTACTGACATCAACGACCATGG
 CCCGATCCCTGAACCCAGGCAGATCATCATCTGTAACCAAGCCCTGTGCCTCAAGTGTGAACATCACT
 GACAAGGACCTGTCCCCAACTCCTCCCTTTCCAGGCCAGCTAACACATGACTCAGATATCTACTGGA
 TGGCAGAAGTCAAGGAGAAAGGAGACACCGTGGCCTTGTCCCTGAAGAAGTTCCTGAAACAAGACACGTA
 TGACTTGATCTTTCTTTGTCTGACCATGGCAACAGGGAACAGCTAACCATGATCAGGGCCACTGTGTGT
 GACTGCCATGGCCAAGTGTCAATGACTGCCCCAGACCCTGGAAGGGTGGTTTTCATCCTCCCCATCCTGG
 GTGCTGTCTGGCACTGCTGACCCTTCTACTGGCACTCCTCCTGTTGGTGAAGGAAGAGGGAAGGTCAA
 AGAGCCCTTCTGCTCCCAGAAGATGACACGCGAGACAATGTCTTCTATTATGGAGAAGAGGGTGGTGGT
 GAAGAGGACCAGGACTATGACATCACCAACTCCACCGGGGACTGGAGGCCAGGCCTGAGGTGGTTCTCC
 GAAACGATGTAGTGCCAACCTTCATCCCCACCCCATGTACCGACCCCGCCGCCAACCCAGATGAAAT
 CGGGAACCTCATCATCGAGAACCTGAAGGCTGCCAACACTGACCCTACTGCCCGCCCTACGACCTCCCTG
 CTGGTTTTTACTACGAGGGCAGCGGCTCTGATGCCGCCCTCCCTGAGCTCCCTCACCACCTCCGCTCCG
 ACCAGGATCAGGACTACAACCTTAAACGAGTGGGGAAGTCGATTCAAGAACTGGCGGACATGTATGG
 TGGCGGTGAGGATGACTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001037809
Insert Size: 2469 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:	BC098459 , AAH98459
RefSeq Size:	3189 bp
RefSeq ORF:	2469 bp
Locus ID:	12560
UniProt ID:	P10287
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 (1) represents the longer transcript and encodes the longer 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>