

Product datasheet for **MC221619**

Cdh6 (NM_007666) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdh6 (NM_007666) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cdh6
Synonyms:	cad; cad6; K-cadh
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221619 representing NM_007666
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGAACTTACCGTACTTCTTGTCTCTTTGGTTCGGCCAGCCCTACCCAACCTTCTCAAACCCAT
 TATCTAAAAGGACTAGTGGCTTCCAGCAAAGAGGAAAGCCCTGGAGCTCTCTGCAAACAGCAGGAATGA
 GCTGAGCCGTTCCGAAAAGGAGTTGGATGTGGAATCAGTTCTTCTCCTGGAGGAATACACGGGATCCGAT
 TATCAGTACGTGGGCAAGTTACATTCAGACCAGGATAGAGGAGATGGATCACTTAAATATATCCTTTCAG
 GAGATGGAGCGGGCGATCTTTCATTATCAATGAGAACACAGGCGACATACAGGCCACCAAGAGGCTGGA
 CAGGGAAGAAAACTGTTTACATCCTTCGAGCTCAAGCTGTCAACAGAAGGACAGGGAGACCCGTCGAG
 CCTGAGTCTGAATTCATCATCAAGATCCACGACATCAATGACAATGAGCCAATATTCACCAAGGACGTTT
 ACACAGCCACAGTCCCGGAGATGGCTGATGTTGGCACATTTGTGGTCCAAGTACAGGCGACTGATGCTGA
 CGACCCAACATATGGGAACAGTGTAAAGTCGTCTATAGCATCCTGCAGGGACAGCCCTACTTTTCAGTG
 GAATCGGAAACAGGTATCATCAAGACAGCGTTGCTCAACATGGATCGAGAAAACAGAGAACAGTACCAAG
 TGGTGATTTCAGGCCAAGGACATGGGCGGCCAGATGGGAGGACTGTCGGGGACTACGACCGTGAACATCAC
 GCTGACAGATGTCAATGACAACCCACCCGTTTCCCCAGAGTACCTACCAGTTTAAAGACCCCGAGTCC
 TCTCCACCGGGAACGCCAATTGGCAGGATCAAAGCCAGTGTGCCGATGTGGGAGAAAAATGCGGAGATCG
 AGTACAGCATCACTGACGGTGGGGACACGAGATGTTTGTATGTCATCACCAGCAGGAAACCCAGGAAGG
 GATCATAACTGTCAAAAAGCTCTTGGATTTTGAAGAAGAAGGTGTACACCTCAAGGTGGAAGCCTCC
 AATCCCCACGTCGAACCCGATTTCTCTACCTGGTCCCTTCAAAGACTCGGCCACGGTGAAGATCGTGG
 TGGACGATGTGGACGAACCTCCTGTCTTCAGCAAACCTGGCCTACATCCTACAGATACGGGAGGATGCCCG
 GATAAATACGACCATAGGCTCTGTGCGAGCTCAGGATCCTGACGCTGCCAGGAATCCTGTCAAGTATTCT
 GTGGATAGACACACAGATATGGACAGGATATCAACATTGATTCTGGAATGGTTGATTTTTACATCAA
 AACTTCTCGACCGGGAACCCCTGCTGTGGCACAACATCACAGTATCGCAACGGAGATTAATAACCCAAA
 GCAAAGCAGCCGCTTCTCTATATATTAAGTTCTCGACGTCAACGACAATGCCCCAGAGTTTGTGAG
 TTCTATGAAACTTTTGTCTGTGAAAAAGCAAAGGCAGATCAGCTGATTACAGCCCTGCGTGTGTTGACA
 AGGATGATCCTTACAGCGGACACCAATTTCTTCTCCTTGGCCCCAGAAGCAGCCAGCAGCTCAAACCT
 TACTATAACAAGACAACAAAGACAACACTGCAGGGATCCTAACTCGAAAAATGGCTATAACAGACACGAG
 ATGAGCACCTATCTCCTGCTGTGGTCATTTCCGACAACGACTACCCAGTCCAAAGCAGCACTGGGACAG
 TGAATGTCGGGTCTGTGCATGTGACCACCATGGGAACATGCAGTCTGCCACGCCGAGGCCCTCATCCA
 CCCCACAGGGCTGAGCACAGGGCTCTGGTGGCCATCCTTCTGTGCATCGTGATCCTACTAGTGACAGTG
 GTGCTGTTTCGAGCTCTGAGGCGGCAGCGAAAGAAAGAGCCTTTGATCATTTCCAAGAGGACATCAGAG
 ATAACATTGTGAGTTACAACGACGAAGGTGGCGGAGAGGAAGACACCCAGGCCTTTGATATCGGAACCC
 GAGGAACCCGAAAGCCATGGAGGACAGCAAATCGCGCAGGGACATTGTGCTGAAGCTCTTTTCTACCC
 CGGCGGACTCCAACAGCTCGTGACAACACGGATGTCAGAGATTTTATTAAACCAAGGTTAAAGGAAAATG
 ACACGGACCCAACAGCCCTCCTTACGACTCCTTGGCCACCTATGCCTACGAAGGCACCCGGCTCTGTGGC
 CGACTCCCTGAGCTCGCTGGAATCCGTGACCACGGATGGAGATCAAGATTATGACTATTTGAGTGACTGG
 GGCCCTCGGTTCAAAAAGCTGGCAGATATGTATGGAGGGATGGACAGTGACAAAGACTCCT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2018_d04.zip

Restriction Sites: SgfI-MluI

ACCN: NM_007666

Insert Size: 2373 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:	NM_007666.3 , NP_031692.2
RefSeq Size:	2632 bp
RefSeq ORF:	2373 bp
Locus ID:	12563
UniProt ID:	P97326
Cytogenetics:	15 A1
Gene Summary:	<p>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. Mice lacking the encoded protein exhibit delay in mesenchyme-to-epithelial conversion and a loss of nephrons. Multiple distinct genes of the cadherin family, including this gene, are found on chromosome 15. [provided by RefSeq, Oct 2015]</p>