

Product datasheet for **MC221555**

Cdh15 (NM_007662) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdh15 (NM_007662) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cdh15
Synonyms:	AI323380; Cdh14; Mca; Mcad
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC221555 representing NM_007662
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGTTCTGCTCTGCTCCTCGCCCTCGGGCTGCTTGCCAGAGCCTTGGCCTGTCTGGGCAGTCCCTG
 AGCCCAAACCCAGCACCCCTGTACCCTGGCGCCGGGCATCAGCCCAGGCCGTGTGCGGAGAGCCTGGGT
 CATCCACCCATTAGTGTGTCTGAGAACCACAAACGCCTCCCCTACCCACTTGTGCAGATCAAGTCTGAC
 AAACAGCAGCTAGGCAGTGTCTACAGCATCCAGGGTCCCAGGAGTGGATGAGGAGCCCGAAATGTCT
 TCTCCATCGACAAGTTCACCGGGAGGGTGTACCTCAATGCCACGCTGGACCGGAGAAGACGGACCCTT
 CAGGCTAAGGGCCTTTGCCTTGGACTTGGGTGGCTCTACCCTGGAGGACCCACGGACTGGAGATCGTT
 GTGGTGGATCAAATGACAACCGGCCAGCCTTCTACAGGATGTGTTAGAGGCCGATCCTGGAGGGTG
 CCATCCCAGGCACCTTCGTACCAGGGCTGAGGCCACAGATGCCAGACCCAGAGACAGACAATGCAGC
 CCTCAGGTTCTCCATCCTGGAGCAGGGCAGCCCTGAGTTCTTCAGCATCGACGAGCACACGGGAGAGATC
 CGCACGGTGCAAGTGGGGCTGGACCGTGAGGTGGTGGCTGTGATAATCTGACCTTGCAAGTGGCAGACA
 TGTCGGGAGACGGACTCACTGCCACAGCCTCGGCCATCATCTCCATAGATGACATCAACGACAATGCCCC
 CGAGTTCACCAAGGATGAGTTCTTTATGGAGGCTGCAGAGGCTGTGAGTGGAGTGGACGTGGGACGGCTC
 GAGGTGGAAGACAAGGACCTGCCTGGTTCACCCAACTGGGTGGCCAGGTTACCATCCTTGAAGGTGATC
 CTGATGGGCAGTCAAGATCTACACAGACCCTAAGACCAATGAAGGTGTGCTGTCCGTGGTCAAGCCCT
 GGACTATGAGAGCCGTGAGCAGTATGAGCTCAGAGTGTCTGTACAAAACGAGGCCCGCTGCAGGCAGCT
 GCCCTCGGGCTCGGCCGGGCCAGACCAGGGTCAGCGTGTGGGTTGAGGACCAACGAAGTCCAGTGT
 TTCCAGAGAACCCTGAGGACGAGCATAGCTGAAGGAGCCCCCAGGCACCTGTGTGCCACCTTCTC
 TGCCAGAGACCCTGACACAGAACAGCTGCAGAGAATCAGCTACTCCAAGACTACGACCCAGAAGACTGG
 CTGCAAGTGGACGGGCCACAGGCAGGATCCAGACCCAGCGAGTGTGAGCCCTGCTTACCCTTTTTGA
 AGGACGGCTGGTACAGAGCCATCATCTAGCCCTGGACAATGCCATTCTCCTAGCACAGCCACAGGCAC
 CCTGTCCATCGAGATCCTAGAAGTCAACGACCATGCCCTGCACTGGCTTCTCCTCATCTGGCAGCCTG
 TGCAGTGAACCAGACCAGGGCCCTGGCCTCCTCTTGGGTGCCACGGATGAGGACCTGCCCCACACGGGG
 CCCCTTCCACTTCCAGCTGAACCCAGAGTACCAGATCTGGGCCGAACTGGAGCGTACGCAGATTAA
 CGTGAGCCATGCACGCTTGGCGCTCCGACATCAGGTCTCCGAGGGCTGCATCGCCTGAGCTGCTACTC
 CAGGACTCTGGGAGCCACCCAGCAGCGAGAGCAAACGCTGAACGTACCGTGTGTCGCTGGGTCCG
 ATGGCACTTGCCTGCCCGGGCTGCCCGCTTCGAGGAGGAGGTGTAGGGCTCAGCTTGGGGCACTGGT
 CATTGTGCTGGCCAGCACCGTGGTCTTACTAGTCTCATCTGCTTGGCCGCTCCGCACACGGTCCGG
 GGGCATTCCCGGGGAAGAGTCTGTTGCATGGCCTACAAGAGGACCTTCGGGACAACATCCTAACTATG
 ATGAGCAAAGGAGGCGGGGAGGAGGACCAGGATGCGTACGACATAAACCAGCTGCGCCACCCAGTGGAGCC
 GAGGGCCACAAGTCGCTCTTGGGCAGGCCACCCCTGCGCAGGGATGCCCTTCCAGTATGTGCCACAG
 CCACATCGAGTGTCTCCACCAGCCATCTGACATTGCCAACTTCATCAGTGTGGCTTGGAGGCTGCGG
 ACAGCGACCCAGCGTGCCTCCCTACGACACAGCTCTCATCTATGACTACGAGGGAGATGGCTCTGTGGC
 AGGGACGCTGAGCTCCATTCTGTCCAGCCTGGGAGATGAAGACCAGGACTATGACTACCTCCGGGACTGG
 GGACCCCGCTTGGCTCGGCTGGCCGACATGTATGGACATCAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2349_f03.zip

Restriction Sites: SgfI-MluI

ACCN: NM_007662

Insert Size: 2355 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_007662.2 , NP_031688.2
RefSeq Size:	2843 bp
RefSeq ORF:	2355 bp
Locus ID:	12555
UniProt ID:	P33146
Cytogenetics:	8 71.99 cM
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. Based on the expression of this gene in skeletal muscle, satellite cells and cerebellum, it was postulated that the encoded protein may be important for muscle development and regeneration. Mice lacking the encoded protein appear normal and display no discernible defects in skeletal musculature. Multiple distinct genes of the cadherin family, including this gene, are found on chromosome 8. [provided by RefSeq, Nov 2015]</p>