

Product datasheet for **SC122693**

M Cadherin (CDH15) (NM_004933) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	M Cadherin (CDH15) (NM_004933) Human Untagged Clone
Tag:	Tag Free
Symbol:	M Cadherin
Synonyms:	CDH3; CDH14; CDHM; MCAD; MRD3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF:

```
>OriGene sequence for NM_004933 edited
GCGCTTCTTCGGGTGCGGGTGCCTCCGGCCCGGCTCCCGCCTCGGCCCGATGGACGC
CGCGTTCTCCTCGTCTCGGGCTGTTGGCCAGAGCCTCTGCCTGTCTTTGGGGTTCC
TGGATGGAGGAGGCCACCACCTGTACCCTGGCGCCGGGCGCCTGCCCTGAGCCGCT
GCGGAGGGCCTGGGTATCCCCCGATCAGCGTATCCGAGAACCACAAGCGTCTCCCTA
CCCCCTGGTTCAGATCAAGTCGGACAAGCAGCAGCTGGGCAGCGTCATCTACAGCATCA
GGGACCCGGCGTGGATGAGGAGCCCCGGGCGTCTTCTCTATCGACAAGTTCACAGGGAA
GGTCTTCTCAATGCCATGCTGGACCGGAGAAGACTGATCGCTTCAGGCTAAGAGCGTT
TGCCCTGGACCTGGGAGGATCCACCCTGGAGGACCCACGGACCTGGAGATTGTAGTTGT
GGATCAGAATGACAACCGGCCAGCCTTCTGCAGGAGGCGTTCCTGACCAGGCGTTCAGTGGCCGCGTGTGGA
GGGTGCAGTCCCAGGCACCTATGTGACCAGGGCAGAGGCCACAGATGCCGACGACCCGA
GACGGACAACGCAGCGTGCAGTCTCCATCCTGCAGCAGGGCAGCCCGAGCTCTTCAG
CATCGACGAGCTCACAGGAGAGATCCGCACAGTCAAGTGGGGCTGGACCGCGAGGTGGT
CGCGGTGTACAATCTGACCTGCAGGTGGCGGACATGTCTGGAGACGGCCTCACAGCCAC
TGCTCAGCCATCATCACCTTGATGACATCAATGACAATGCCCCGAGTTCACCAGGGA
TGAGTTCTTCATGGAGGCCATAGAGGCCGTGAGCGGAGTGGATGTGGGACGCCTGGAAGT
GGAGGACAGGGACCTGCCAGGCTCCCCAACTGGGTGGCCAGGTTCACTATCCTGGAAGG
CGACCCCGATGGGCAGTTCACCATCCGCACGGACCCCAAGACCAACGAGGGTGTCTGTG
CATTGTGAAGGCCCTGGACTATGAGAGCTGTGAACACTACGAACCTCAAAGTGTGGTGC
GAATGAGGCCCGCTGCAGGCGGCTGCCCTTAGGGCTGAGCGGGGCCAGGCCAAGTCCG
CGTGATGTGCAGGACACCAACGAGCCCCCGTGTCCAGGAGAACCCTTCGGACCAG
CCTAGCAGAGGGGGCAGCCAGGCACTCTGGTGGCCACCTTCTGCCCCGGGACCCTGA
CACAGAGCAGCTGCAGAGGCTCAGTACTCAAGGACTACGACCCGGAAGACTGGTGC
AGTGGACGCAGCCACTGGCCGGATCCAGACCCAGCAGTGTGCTGAGCCCGCGTCCCCCTT
CCTCAAGGGCGGCTGGTACAGAGCCATCGTCTGGCCAGGATGACGCCTCCCAGCCCCG
CACCGCCACCGGCACCCTGTCCATCGAGATCCTGGAGGTGAACGACCATGCACCTGTGCT
GGCCCCGCGCGCCGGGAGCCTGTGCAGCGAGCCACACCAAGGCCAGGCCTCCTCCT
GGGCGCCACGGATGAGGACCTGCCCCCCACGGGGCCCCCTTCCACTTCCAGCTGAGCC
CAGGCTCCAGAGCTCGGCCGAACTGGAGCCTCAGCCAGGTCAACGTGAGCCACGCGG
CCTGCGGCGCGACACCAGTCCCCGAAGGCTGCACCGCCTCAGCCTGTGCTCCGGGA
CTCGGGGAGCCGCCAGCAGCGGAGCAGCCTCTGAACGTGACCGTGTCCGCTGCGG
CAAGGACGGCGTGTGCTGCCGGGGCCGAGCGCTGCTGGCGGGGGCACAGGCCTCAG
CCTGGGGCAGTGGTATCGTGTGTCAGCCAGCCTCCTGCTGCTGGTGTGCTGCTGCT
CGTGGCACTCCGGGCGCGGTTCTGGAAGCAGTCTCGGGGCAAGGGGCTGTGACAGGCC
CCAGGACGACCTTCGAGACAATGTCTCAACTACGATGAGCAAGGAGGGGGAGGAGGA
CCAGGACGCCTACGACATCAGCCAGTGCCTCACCAGCAGCGTGCAGCCTGCCTCTGGG
ACCGCCGCCACTTCGAGAGATGCCCGCAGGGCCGCTGCACCCAGCCACCCGAGT
GCTGCCACCAGCCCCCTGGACATCGCCGACTTCAATGATGGCTTGGAGGCTGCAGA
TAGTGACCCAGTGTGCCGCTTACGACACAGCCCTCATCTATGACTACGAGGGTACGG
CTCGGTGGCGGGGACGCTGAGTCCATCCTGTCCAGCCAGGGCGATGAGGACCAGGACTA
CGACTACCTCAGAGACTGGGGGCCCGCTTCGCCGGCTGGCAGACATGTATGGGACCC
GTGCGGGTTGGAGTACGGGGCCAGATGGGACCACCAGGCCAGGGAGGGTCTTTCTCCTGG
GGCACTGTACCCAGACACAGAGCCGGACAGCCTGACCCTGGGGCGCAACTGGACATGC
CACTCCCCGGCCTCGTGGCAGTGTGGCCCTGCAGAGGCAGCCTGAGGTACCCGGGCC
GACCCCTGGGCTGGGCAGCCTCCTCCTGTAGGCGAGGGCCCAAGTCTGGGGGCGAG
AACCTGAGTGTGGATGGGGCGGCCAGGAAGAGGGCCCTTCTGCCGGGTGGGAAGAGTT
TCTCTCATCGGCCCCATGCGGGTACCTCCCTAGTCCCACCTTTGCCTCCTACCAGTGA
ACCTCATCTTTGTATGAAAGACAGCAACCTCCTGGGTAATCTGAATGAAAAAAAAAAAA
AAAAAA
```

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_004933 unedited NGAGTTCGCATTTGTATACGACTCACTATAGGCGGCCGCGAATTCGCACGAGGGCGCTTC TTCGGGTGCGGGGTGCACTCCGGCCCGGCTCCCGCCTCGGCCCGATGGACGCCGCGTTC CTCCTCGTCTCGGGCTGTTGGCCAGAGCCTCTGCTGTCTTTGGGGTTCTGGATGG AGGAGGCCACCACCTGTACCCTGGCGCCGGGCGCTGCCCTGAGCCGCGTCCGGAGG GCCTGGGTATCCCCCGATCAGCGTATCCGAGAACCACAAGCGTCTCCCTACCCCTG GTTCAGATCAAGTCGGACAAGCAGCAGCTGGGCAGCGTCATCTACAGCATCCAGGGACCC GCGGTGGATGAGGAGCCCCGGGGCGTCTTCTCTATCGACAAGTTCACAGGAAGGTCTTC CTAATGCCATGCTGGACCGCGAGAAGACTGATCGCTTACAGGCTAAGAGCGTTTGCCTG GACCTGGGAGGATCCACCCTGGAGGACCCACGGACCTGGAGATTGTAGTTGTGGATCAG AATGACAACCGGCCAGCCTTCTGCAGGAGGCGTCACTGGCCGCGTGTGGAGGTGCA GTCCCAGGCACCTATGTGACCAGGGCAGAGGCCACAGATGCCGACGACCCCGAGACGGAC AACGCAGCGCTGCGGTTCTCCATCCTGCAGCAGGGCAGCCCCGAGCTTTCAGCATCGAC GAGCTCACAAGAGAGATCCGAACAGTGCAGTGGGGCTGGACCCCGAGGTGGGTGCGG GTGTACCAATCTGACCCCTGCAGTGGCCGACATGTCTGGAGACGGCCCTCCAGCCCCTG CCTCAGCCATCATCACCTTGATGACATCCATGAACATGCCCCCGAGTTC
Restriction Sites:	Please inquire
ACCN:	NM_004933
Insert Size:	2836 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:	<u>NM_004933.2</u> , <u>NP_004924.1</u>
RefSeq Size:	2875 bp
RefSeq ORF:	2445 bp
Locus ID:	1013
UniProt ID:	<u>P55291</u>
Cytogenetics:	16q24.3
Protein Families:	Transmembrane
Protein Pathways:	Cell adhesion molecules (CAMs)

Gene Summary:

This gene is a member of the cadherin superfamily of genes, encoding calcium-dependent intercellular adhesion glycoproteins. Cadherins consist of an extracellular domain containing 5 cadherin domains, a transmembrane region, and a conserved cytoplasmic domain. Transcripts from this particular cadherin are expressed in myoblasts and upregulated in myotubule-forming cells. The protein is thought to be essential for the control of morphogenetic processes, specifically myogenesis, and may provide a trigger for terminal muscle cell differentiation. [provided by RefSeq, Jul 2008]