

Product datasheet for **RC201114**

M Cadherin (CDH15) (NM_004933) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	M Cadherin (CDH15) (NM_004933) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	M Cadherin
Synonyms:	CDH3; CDH14; CDHM; MCAD; MRD3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>RC201114 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

 ATGGACGCCGCTTCTCTCGTCTCGGGCTGTTGGCCAGAGCCTCTGCCTGTCTTTGGGGTTCCTG
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Protein Sequence: >RC201114 protein sequence
 Red=Cloning site Green=Tags(s)

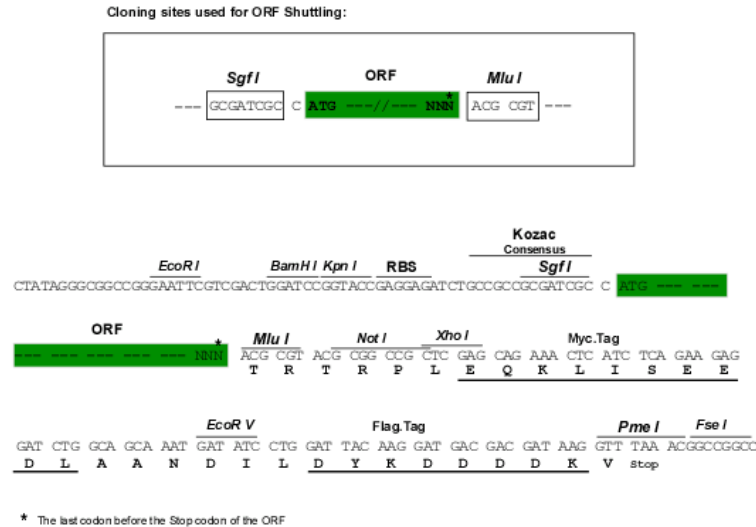
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 PRVLPTSPLDIADFINDGLEAADSDPSVPPYDTALIYDYEGDGSVAGTSSILSSQGEDQDYDYL RDWG
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Chromatograms: https://cdn.origene.com/chromatograms/mk6814_a06.zip

Restriction Sites: SgfI-MluI

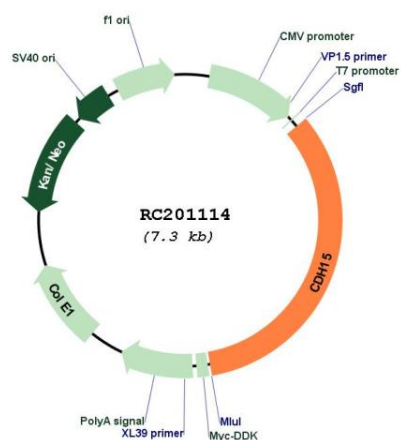
Cloning Scheme:



ACCN:	NM_004933
ORF Size:	2442 bp
OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_004933.3</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)
MW:	88.9 kDa
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]

Product images:



Circular map for RC201114