

Product datasheet for **MC222365**

Cdh1 (NM_009864) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdh1 (NM_009864) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cdh1
Synonyms:	AA960649; ARC-1; E-ca; E-cad; E-cadh; Eca; Ecad; L-C; L-CAM; Um; UVO
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222365 representing NM_009864
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGAGCCCGGTGCCGAGCTTTCCGCGCTCCTGCTCTGCTGCAGGTCTCCTCATGGCTTTGCCAGG
 AGCTGGAGCCTGAGTCCGTCAGTCCCGGCTTCAAGGATGCACCTTCCCGTGCCGAGAGGCA
 CCTGGAGAGAGGCCATGTCTGGGCAGAGTGAGATTTGAAGGATGCACTGGCCGCGCAAGGACAGCCTTC
 TTTTCGGAAGACTCCCGATTCAAAGTGGCGACAGACGGCACCATCACAGTGAAGCGGCATCTAAAGCTCC
 ACAAGCTGGAGACCAGTTTCTCGTCCGCGCCCGGACTCCAGTCATAGGGAGCTGTCTACCAAAGTGAC
 GCTGAAGTCCATGGGACACCACCATCACCGGCACCACCACCGCGACCCTGCCTCTGAATCCAACCCAGAG
 CTGCTCATGTTTCCAGCGTGTACCCAGGTCTCAGAAGACAGAAACGAGACTGGGTATCCCTCCCATCA
 GCTGCCCGAAAATGAAAAGGGCGAATTTCAAAGAACCTGGTTCAGATCAAATCCAACAGGGACAAAGA
 AACAAAGTTTTCTACAGCATCACCGGCCAAGGAGCTGACAAACCCCGTTGGCGTTTTATCATTGAG
 AGGGAGACAGGCTGGCTGAAAGTGACACAGCCTCTGGATAGAGAAGCCATTGCCAAGTACATCCTCTATT
 CTCATGCCGTGTATCAAATGGGGAAGCGGTGGAGGATCCCATGGAGATAGTGATCACAGTGACAGATCA
 GAATGACAACAGGCCAGAGTTTACCCAGCCGGTCTTTGAGGGATTGTTGAGAGGCGCTGTTCCAGGA
 ACCTCCGTGATGAAGGTCTCAGCCACCGATGCAGACGATGACGTCAACACCTACAACGCTGCCATCGCCT
 ACACCATCGTCAGCCAGGATCCTGAGCTGCCTCACAAAACATGTTCACTGTCAATAGGGACACCCGGGT
 CATCAGTGTGCTCACCTTGGGCTGGACCGAGAGAGTTACCCTACATACACTCTGGTGGTTCAGGCTGTG
 GACCTTCAAGGTGAAGGCTTGGCACAACAGCCAAAGCTGTGATCACTGTCAAGGATATTAATGACAACG
 TCTCTGTCTTCAACCAAGCAGTATCAGGGTCAAGTGCCTGAGAATGAGGTCAATGCCCGGATCGCCAC
 ACTCAAAGTGACCGATGATGATGCCCCCAACACTCCGGCGTGGAAAGCTGTGTACACCGTAGTCAACGAT
 CCTGACCAGCAGTTCTGTTGTGTACAGACCCACGACCAATGATGGCATTGAAAACAGCCAAGGGCT
 TGGATTTTGGAGCAAGCAGCAATACATCCTTCATGTGAGAGTGGAGAACGAGGAACCTTTGAGGGGTC
 TCTTGTCCCTTCCACAGCCACTGTCACTGTGGACGTGGTACAGTGAATGAAGCCCCATCTTTATGCCT
 GCGGAGAGGAGAGTGAAGTGCCCGAAGACTTTGGTGTGGGTGAGGAAATCACATCTTATACCGCTCGAG
 AGCCGGACACGTTTATGGATCAGAAGATCACGTATCGGATTTGGAGGGACTGCCAAGTGGCTGGAGAT
 TAACCCAGAGACTGGTGCATTTTACGCGCGCTGAGATGGACAGAGAAGACGCTGAGCATGTGAAGAAC
 AGCACATATGTAGCTCTCATCATCGCCACAGATGATGGTTCACCCATTGCCACTGGCAGGGCCTCTTC
 TCCTGGTCTGTTAGACGTCAATGACAACGCTCCCATCCAGAACCTCGAAACATGCAGTTCTGCCAGAG
 GAACCCACAGCCTCATATCATCACCATCTTGGATCCAGACCTTCCCCCAACACGTCCTCCCTTTACTGCT
 GAGCTAACCCATGGGGCCAGCGTCAACTGGACATTGAGTATAATGACGCAGCTCAAGAATCTCTCATT
 TGCAACCAAGAAAGGACTTAGAGATTGGCGAATACAAAATCCATCTCAAGCTCGCGGATAACCAAGAA
 AGACCAGGTGACCACGTTGGACGTCCATGTGTGTGACTGTGAAGGGACGGTCAACAACGATGAAGGCG
 GGAATCGTGGCAGCAGGATTGCAAGTTCCTGCCATCCTCGGAATCCTTGGAGGGATCCTCGCCCTGCTGA
 TTCTGATCCTGCTGCTCCTACTGTTTCTACGGAGGAGAACGGTGGTCAAAGAGCCCCTGCTGCCACCAGA
 TGATGATACCCGGGACAATGTATTACTATGATGAAGAAGGAGGTGGAGAAGAAGACCAGGACTTTGAT
 TTGAGCCAGCTGCACAGGGCCTGGATGCCGACCGAAGTGAAGTGAAGTGAAGTGGTCCACCCCTCA
 TGAGCGTGCCCAAGTATCGTCCCGTCTGCAATCCTGATGAAATTGGAAACTTATCGATGAAAACCT
 GAAGGCAGCCGACAGCGACCCACGGCACCCTTACGACTCTCTGTTGGTGTTCGATTACGAGGGCAGT
 GGTTCGAAGCCGCTAGCCTGAGCTCACTGAACTCTGAGTCGGATCAGGACCAGGACTACGATTATC
 TGAACGAGTGGGGCAACCGATTCAAAGAAGTGGCGGACATGTACGGCGGTGGTGGAGCAGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_009864
Insert Size: 2655 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:	NM_009864.3 , NP_033994.1
RefSeq Size:	4447 bp
RefSeq ORF:	2655 bp
Locus ID:	12550
UniProt ID:	P09803
Cytogenetics:	8 53.18 cM
Gene Summary:	This gene encodes E-cadherin, a calcium-dependent cell adhesion molecule that functions in the establishment and maintenance of epithelial cell morphology during embryogenesis and adulthood. The encoded preproprotein undergoes proteolytic processing to generate a mature protein. Targeted mutations disrupting binding of calcium to the encoded protein in mice cause death in utero due to failed blastocyst and trophectoderm formation. This gene is located adjacent to a related cadherin gene on chromosome 8. [provided by RefSeq, Oct 2015]