

Product datasheet for **MC222573**

Cdh4 (NM_009867) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdh4 (NM_009867) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cdh4
Synonyms:	AW120700; R-Ca; R-CAD; R-Cadh; Rc; Rcad
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222573 representing NM_009867
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACCACAGGCTCTGTGCTGCCGCTGCTGCTGCTCGGGCTCTCGGGCGCGCTCCGGGCCACCGTGAGG
 ATCTTACAGTCAGAGAGGCCTGTAAGGCTGGCTTCTCCGAAGAAGGCTACACTGCCGTTGATCTCCCGAA
 TGTCTGGAAGGAGAGAACTACTCAAAGTCGAGTTCAGCAGCTGCGTGGGCACCAAAGGTATGCAGTAT
 GAGACCAACAGCTTGGACTTCAAAGTCGGGGCGGATGGGACAGTCTTCGCCACTAGGGAGTTGAAGATCC
 CCTCAGAGCAGGTGGCCTTACCCTGCTGCGCGGGAACGCCAGAGTGTGAGCAATGGGCTGCTATGGT
 GCGGCTGCTGGTAGCCAGACATCGTCAGCACACTCTGAACACAAGAAAGGGCAGACAGTGGCCCTAGAC
 CCCTCTCAGCCGCAAAATGACACACTGTGCCATGGCCTCAACATCAGAGCTCTGGTGGGCTGAGGAGAC
 AGAAGCGTGACTGGGTATCCCACCCATCAACGTTCCCGAGAATCCCGTGGACCCTTCCCTCAGCAGCT
 TGTGAGGATCAGGTCGGACAAAGACAATGACATCCCCATCCGCTACAGCATCACGGGTGTGGGCGCCGAC
 CAGCCCCCATGGAGGTCTTCAACATCGACTCTATGTCTGGCCGGATGTATGTCACTCGGCCATGGACC
 GGGAGGAAAGAGCCTCTTACCATCTCCGAGCCACGCGGTGGATATGAACGGTAACAAGGTGGAGATCC
 TATTGACCTGTACATCTACGTCATTGACATGAACGACAACCGTCCCGAGTTCATCAACCAGGTCTACAAC
 GGCTCTGTGGATGAGGGCTCCAAGCCAGGTACATATGTGATGACCGTCACAGCCAACGATGCAGATGATA
 GCACCACAGCCAATGGCATGGTGGTACAGAAATGTACCCAGACACCCAGAGCCCATCCCAGAATAT
 GTTACCATCAACAGTGAACAGGGGACATCGTAGCCGTGGCAGCAGGCTGGACAGAGAGAAAGTCCAG
 CAGTACACCGTCTCGTCCAGGCCACTGACATGGAAGGAAACCTTAATATGGTCTCTCGAACACAGCCA
 CTGCCATCATCAGGTGACAGAGTAAATGACAACCCCTCCGGAATTCACCACAAGCACATTTGACAGGAG
 GGTTCTGAGAACCCTATAGAGACAGTAGTAGCCAACCTCACGGGTGATGGACCGAGACCAGCCCCACTCA
 CCAACTGGAACGCCGTCTACCGAATCATAAGTGGGGACCCCTCTGGGCACTTCAGTGTCCGCACAGACC
 CCGTGACCAATGAGGGCATGGTCAACCGTGGTGAAGGCAGTGGACTATGAGCTGAACCGTGCCTTCATGCT
 GACCGTAAATGGTGTCCAACCAGGCGCCCTGGCCAGTGGGATCCAGATGTCCTTCCAGTCCACAGCAGGG
 GTAACCATCTCTGTACCGATGTCAACGAGGCCCTACTTCCCTCCAACCACAACTGATCCGCCTGG
 AAGAGGGTGTGCCGCTGGGACAGCACTACCCTTTTTCTGAGTGGACCCTGACCGGTTTCATGCAGCA
 AGCCGTGAGGTACTCAAAGTGTCTGATCCCGCAACTGGCTGCACATCAACACATCCAATGGGCAGATC
 ACCACAGCCGCCATTCTGGACCGAGAGTCCCTCTACACCAAGAACAATGTATATGAGGCCACCTTCTGG
 CTGCTGACAATGGATCCCCCAGCCAGTGGCACTGGGACCCTGCAGATCTACCTCATTGATATCAATGA
 CAACGCACCACAGCTGCTACCAAGGAGGCACAGATCTGCGAGAGGCCCGGCTCAATGCCATCAACATC
 ACTGCAGCCGACGCCGATATGGACCCCAACATTGGCCCTATGTCTTTGAGTTGCCCTTCATCCCCACTA
 CAGTGAGGAAGAATTGGACCATCACCCGCTAAATGGTGAATAAGCCAGCTCAGTCTGAGAATCCTGTA
 TCTGGAAGCAGGGGTGTATGACGTCCCCATCATCGTCACAGACTTGGCAACCCCTCCCTGTCCAATACA
 TCTGTCTAAAAGGTCAAGGTGTGCCATGTGATGAGAACGGCGACTGTACCACGGTCGGCGCAGTGGCTG
 CAGCTGGCCTGGGACGGGCGCCATCGTGGCGATCCTCATCTGCATCGTATCCTGCTAATCATGGTCT
 GCTGTTTCGTTGTGTGGATGAAGCGGAGAGAAAAGGAGAGGCACACAAAGCAGCTGCTCATCGACCCTGAG
 GATGACGTGAGGGACAACATCCTGAAGTACGATGAAGAGGGCGGTGGCGAGGAGGACCAAGACTACGACC
 TCAGCCAGCTGCAACAGCCAGAAGCCATGGAGCATGTGCTGAGCAAAACTCCTGGTGTGGCGGGTGGGA
 TGAACGGCCAGTAGGTGCTGAACCCAGTACCCAGTACGGCCTGTGGTGCACACCCAGGAGACATTGGA
 GACTTCATTAATGAGGGACTCCGAGCTGCTGACAAATGACCCACCCGACCCCTACGACTCCCTGCTAG
 TCTTCGACTATGAAGGCAGCGTCTACTGCGGGCTCTGTGAGCTCCCTAAACTCCTCCAGCTCCGGGGA
 TCAAGATTACGACTACTTAAATGACTGGGGCCCCGGTTCAAGAAGCTGGCGGACATGTATGGGGTGGC
 GAGGAGGACTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_009867
Insert Size:	2742 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_009867.3 , NP_033997.1
RefSeq Size:	6405 bp
RefSeq ORF:	2742 bp
Locus ID:	12561
UniProt ID:	P39038
Cytogenetics:	2 101.86 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. The encoded protein is involved in retinal angiogenesis during development where it plays a crucial role in the endothelial-astrocyte interactions. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Oct 2015]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer protein (isoform 1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.</p>