

Product datasheet for **MC221547**

Cdh5 (NM_009868) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdh5 (NM_009868) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cdh5
Synonyms:	7B4; AA408225; Cd144; VE; VE-C; VE-Cad; Vec; VEcad; VECD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221547 representing NM_009868
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGAGGCTCACAGAGCTGGCCACTGCTTTGGGAGCCTTCTGGCCCTCTGGCAGTGGCAGCAATGG
 CAGGCCCTAACTTTCCCCAGATAGACACCCCAACATGCTACCTGCCACCATCGCCAAAAGAGAGACTG
 GATTTGGAATCAAATGCACATCGATGAAGAGAAAAATGAATCGCTGCCCACTATGTGGAAAGATCAAG
 TCCAACGTGAACCGCCAGAATGCTAAGTATGTGCTCCAAGGAGAGTTTGTGGCAAGATCTTCGGGGTGC
 ATGCTAACACAGGGAATGTGCTTGCCTATGAGAGGCTAGACCGGGAGAAAGTCTCTGAGTACTTCTTAC
 TGCCCTCATTGTGGACAAGAACACCAACAAAACTGGAACAACCTTCCAGCTTCACTGTCAAGGTGCAT
 GATATAAATGACAATTGGCCTGTGTTTTCGCACCAGGTATTCAACGCATCTGTGCCAGAGATGTCAGCTA
 TAGGGACCTCTGTCATCCGTGTGACAGCAGTGGATGCAGATGACCCCACTGTGGCCGGCCACGCCACTGT
 CTTGTACCAAATCGTAAAGGAAATGAGTATTTACGATTGATAATTCTGGACTATTTTACAAAGATC
 AAAAACTTGGACCGAGAGAAACAGGCTGAATACAAGATCGTGGTGGAAACAAGATGCCCTGGGTCTGC
 GGGGAGAGTCAGGCACAGCCACTGTGATGATCAGACTGGAGGACATCAATGACAACCTTCCCGTCTTTAC
 TCAATCCACATACACATTTTCGGTGCCTGAAGACATCCGAGTGGGCAAGCCCTTGGGCTTTCTGACTGTT
 GTGGACCCAGATGAGCCTCAGAACCGGATGACCAAGTACAGCATCATGCAGGGCAGTACAGGGACACCT
 TCACCATTTGAGACAGACCCCAACGTAACGAGGGTATCATCAAACCCACGAAGTCCCTGGACTATGAAGT
 CATCCAGCAGTACACATTCTACATTGAGGCCACAGACCCCACTATCCGATACGAATACCTGAGCAGCACT
 TCAGGCAAAAACAAGCCATGGTCACCATCAACGTCCTAGATGTGGATGAGCCCCCTGTCTTCCAGCGAC
 ACTTCTACCCTTCAAGCTGCCAGAAAACCAGAAACCGCTGATCGGCACTGTGGTGGCCAAAGACCC
 TGACAAGGCTCAGCGCAGCATCGGGTACTCCATCCGCAAGACCAAGTACAGAGGCCAATTTCCGAATA
 ACCAAGCAGGGAAACATCTATAACGAGAAAGAACTGGACAGAGAAACCTACGCTGGTATAACCTGACTG
 TGGAGGCCAACGAACTGGATTCTCGGGTAACCTGTAGGGAAAGAGTCCATTGTGCAGGTTTACATTGA
 AGTCTTGGATGAGAATGACAACCTCCGGAATTTGCCAGCCCTACGAACCTAAAGTGTGTGAGAATGCT
 GCCCAGGGCAAGCTGGTAGTACAGATCTCTGCAACAGACAAGGATGTGGTGCAGTAAACCCAAAGTTCA
 AGTTTGCCTGAAGAACGAGGACAGCAACTTACCCTCATAAACAACCATGACAACACCGCCAACATCAC
 GGTCAAGTATGGCAGTTAATCGGGAGCATGCCAAGTCCACTACCTGCCCGTGTCTCATCTCAGACAAC
 GGGGTGCCAGCCTGACTGGAACAGCAGCCTAACCGTGGTGTGTGCAAGTGAACGAGCAGGGCGAGT
 TCACCTTCTGTGAGGAGATGGCAGCCAGGCGGGTGTGAGCATCCAGGCGCTGGTGGCCATCTTCTCTG
 CATCTCACCATCACAGTGATTACCTTGTGATCATCCTGCGGAGGCGGATCCGGAAGCAGGCGCATGCT
 CATAGCAAGAGTGCCTGGAGATTACGAGCAGTTGGTCACTTACGATGAGGAGGGCGGTGGTGGAGTGG
 ACACCACAGCTATGATGTGTCAGTGTAAATTCTGTGCGCGGTGGTCCACTAAGCCCCCTGCGCTCCAC
 GATGGACGCCCGCCGGCAGTGTACACGCAGGTGACAGAGCCGCCGCGCTGGCGCTGGACTGCACGGA
 GGGCCAGGGAGATGGCCACCATGATCGACGTGAAGAAAGAAGAGGCAGACAATGACGGCGGTGGCCCC
 CATACGACACACTGCACATCTACGGCTACGAGGGCGCAGAGTCCATCGCAGAGTCCCTCAGTTCCTGAG
 CACCAATTCCTCGACTCTGACATCGATTATGACTTCTCAACGACTGGGGACCCAGGTTCAAGATGCTG
 GCTGAGCTGTACGGCTCAGATCCCAGGAGGAACCTCATCAT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_009868
Insert Size: 2355 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_009868.4 , NP_033998.2
RefSeq Size:	4004 bp
RefSeq ORF:	2355 bp
Locus ID:	12562
UniProt ID:	P55284
Cytogenetics:	8 53.04 cM
Gene Summary:	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. Mice lacking the encoded protein die in utero due to vascular insufficiency, caused by increased endothelial apoptosis. Multiple distinct genes of the cadherin family, including this gene, are found on chromosome 8. [provided by RefSeq, Oct 2015]