

Product datasheet for **MC228987**

Cdh16 (NM_001252628) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdh16 (NM_001252628) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cdh16
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>MC228987 representing NM_001252628

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

 ATGATCTCTGCCCGCCGTGGCTACTTTACCTCTCTGTTATTCAGGCTTTCACTACTGAGGCCAGCCTG
 CAGAAAGCCTGCACACAGAAGTCCCTGAAACTATGGTGAAATTTCCCTTTTACATACTCAAGCTACC
 ACTACCCCTGGGAGAGATGAAGGCCACATTGTCTATCAGGAGACTCAAACACGGCAGATCAAAACACC
 TTTGCTGTGGACACAGACTCTGGCTTTCTAGTGGCGACAAGGACCCTGGACCGGGAAGAGAAAGCAGAAT
 ACCAACTACAGGTCACCTTGGAGTCTGAGGATGGACGTATCTTGTGGGTCCACAGCTTGTGACTGTGCA
 TGTGAAAGATGAGAATGACCAGGTACCCCAATTCTCCAGGCCATCTACAGAGCTCAGCTGAGCCAGGGC
 ACCAGGCTGGGGTCCCCTTCTCTTCTTCTGAGGCTTCTGATGGGGATGCACCAGGCACAGCTAACTCCG
 ACCTTCGCTTCCACATTCTGAGCCAGTCCCACTCAGCCTTTACCAGACATGTTCCAGCTGGACCTCA
 CCTAGGGGCTCTGGCTCTTAGTCCAGTGGAAGCACCAGCCTAGACCATGCCCTTGAAGAGACTTACCAG
 CTATTGGTACAGGTCAAGGACATGGGTGACCAGCCTTCAGGCCACCAGGCTATTGCAACTGTAGAGATCT
 CCATAGTAGAGAACAGCTGGGCACCCCTAGAGCCTGTTACCTGGCAGAGAATCTCAAAGTTGTGTACCC
 ACACAGCATTGCCAGGTGCACTGGAGTGGAGGAGACGTGCACTACCAGCTGGAGAGCCAGCCTCCAGGA
 CCCTTCGATGTGGATACAGAGGGGATGCTCCATGTTACCATGGAGCTGGACCGGGAGGCCAGGCTGAGT
 ACCAGCTCCAAGTCCGAGCTCAGAATCCCATGGTGAGGACTACGAGAACCCTGGAGTTGCAGGTGGT
 GGTGATGGATGAAACGACAATGCACCTGTCTGCTCCCACTGACCCAAACAGTCAACATCCCTGAGCTC
 AGCCCCCAGGAACTGAAATAGCCAGGCTCTCAGCAGAGGATTTGGATGCCCTGGGTCAACCAATTCCC
 ACATTGTATATCAGTTGTTGAGCCCTGAGCCTGAGGAGGGGCTGAAAACAAAGCCTTCGAGTTAGATCC
 GACCTCAGGCAGTGTAACACTGGGAAGTCCCCACTCCATGCTGGCCAGAGTATCCTGCTTCAGGTGCTG
 GCTGTTGACCTAGCAGGATCAGAGAGTGGCCTCAGCAGCACATGTGAGGTGACAGTCATGGTGACAGACG
 TCAACAACCATGCCCCTGAGTTCATCAATCCAGATTGGGCTGTAACCTTCTCTGAGGATGTAAAC
 TGGGGCTCTGGTGGCAACACTCATGGCCACTGATGCTGACCTTGAACCTGCCTCCGCTTATGGACTTT
 GCCATTGAAGAAGGAGACCCAGAAGGGATCTTTGACCTGTCTGGGAGCCAGACTCCGACCATGTCCAGC
 TCAGACTCCGGAAGAACCTCAGCTATGAGGCAGCTCCTGATCACAAGGTGGTGGTGGTCTGAGTAACAT
 AGAAGAACTGGTGGGCCAGGCCAGGCCCTGCAGCCACAGCCACAGTACTATACTAGTGAGAGGGTG
 GTTGCTCCCTCAAGTTGACCAGGAGAGCTATGAGACCAGCATCCAGTCAGCACCCAGCTGGCTCCC
 TCTGCTGACCATCCAGCCCTCAGACCCCATGAGCAGAACCTCAGGTTCTCCCTGGTCAATGACTCAGA
 GGGCTGGCTCTGTATCAAGGAGGTGTCTGGGGAGGTACACACAGCCCAGTCCCTGCAGGGTGCCAGCCT
 GGAGACACATACACAGTGCTTGTGGAGGCCAAGACACAGATAAGCCAGGACTGAGCACTTCTGCCACTG
 TTGTGATCCACTTCTGAAGGCCTCTCTGTCCCAGCATTGACTCTGTCTGCTGGGCCAGCCGACACCT
 CTGTACACCCCGCCAAGACTACGGTGTAGTTGTGAGTGGGGTCAGTGAGGACCCTGACCTAGCCAACAGG
 AATGGTCCCTACAGCTTTGCTCTCGGTCCAATCCCACTGTGCAGCGGGATTGGCGCCTCCAGCCTCTCA
 ACGATTCCACGCCTACCTCACCTTGGCATTGCATTGGGTAGAGCCTGGTGAATACATGGTACCTGTGGT
 TGTCACCATGATACCCATATGTGGCAACTCCAGGTCAAAGTGATTGTGTGTCGCTGCAACGTGGAAGGC
 CAATGTATGCGCAAGGTGGGTGCGATGAAGGGAATGCCACGAACTGTACGCGGTGGGTGCTCTTGG
 GCACCCTGGCAGCGATAGGTCACTTGCCAGATGTTACATTTAGGAAGCCTGTCTCCACATCCC**TAG**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001252628

Insert Size:

2448 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001252628.1, NP_001239557.1</u>
RefSeq Size:	2974 bp
RefSeq ORF:	2448 bp
Locus ID:	12556
Cytogenetics:	8 53.04 cM
Gene Summary:	Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (3) differs in the 3' UTR and 3' coding region differences, compared to variant 1, which results in a frameshift. The resulting protein (isoform 3) has a distinct C-terminus and is shorter than isoform 1.