

Product datasheet for **MC228961**

Cdh16 (NM_001252627) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdh16 (NM_001252627) 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:

>MC228961 representing NM_001252627

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

 ATGATCTCTGCCGCGCTGGCTACTTTACCTCTCTGTTATTCAGCTACCACTACCCCTGGGGAGAGATG
 AAGGCCACATTGCTATCAGGAGACTCAAACACGGCAGATCAAAACACCTTTGCTGTGGACACAGACTC
 TGGCTTTCTAGTGGCGACAAGGACCCTGGACCGGGAAGAGAAAGCAGAATACCAACTACAGGTACCTTG
 GAGTCTGAGGATGGACGTATCTTGTGGGGTCCACAGCTTGTGACTGTGCATGTGAAAGATGAGAATGACC
 AGGTACCCCAATTCTCCAGGCCATCTACAGAGCTCAGCTGAGCCAGGGCACCAGGCCTGGGGTCCCTT
 CCTCTTCTTGAGGCTTCTGATGGGGATGCACCAGGCACAGCTAACTCCGACCTTCGTTCCACATTCTG
 AGCCAGTCCCACTCAGCCTTTACCAGACATGTTCCAGCTGGACCTCACCTAGGGGCTCTGGCTCTTA
 GTCCAGTGGAAGCACCAGCCTAGACCATGCCCTTGAAGAGACTTACCAGCTATTGGTACAGGTCAAGGA
 CATGGGTGACCAGCCTTCAGGCCACCAGGCTATTGCAACTGTAGAGATCTCCATAGTAGAAGACAGCTGG
 GCACCCCTAGAGCCTGTTACCTGGCAGAGAATCTCAAAGTTGTGTACCCACACAGCATTGCCAGGTGC
 ACTGGAGTGGAGGAGACGTGCACTACCAGCTGGAGAGCCAGCCTCCAGGACCTTCGATGTGGATACAGA
 GGGGATGCTCCATGTTACCATGGAGCTGGACCGGAGGCCAGGCTGAGTACCAGCTCCAAGTCCGAGCT
 CAGAATCCCATGGTGGAGACTACGCAGAACCCCTGGAGTTGCAGGTGGTGGTGTGGATGAAAACGACA
 ATGCACCTGTCTGCTCCCAATGACCAACAGTCAACATCCCTGAGCTCAGCCCCCAGGAAGTAAAT
 AGCCAGGCTCTCAGCAGAGGATTGGATGCCCTGGGTCAACCAATCCACATTGTATCAGTTGTTG
 AGCCCTGAGCCTGAGGAGGGGCTGAAACAAAGCCTTCGAGTTAGATCCGACCTCAGGCAGTGTAAAC
 TGGGAAGTGGCCACTCCATGCTGGCCAGAGTATCCTGCTTCAGGTGCTGGCTGTTGACCTAGCAGGATG
 AGAGAGTGGCCTCAGCAGCACATGTGAGGTGACAGTCATGGTGACAGACGTCAACAACCATGCCCTGAG
 TTCATCAATTCCAGATTGGCCTGTAACCTCTTCTGAGGATGTAAACCTGGGGCTCTGGTGGCAACAC
 TCATGGCCACTGATGCTGACCTTGAACCTGCCTTCCGCCTTATGGACTTTGCCATTGAAGAAGGAGACCC
 AGAAGGGATCTTGACCTGTCTGGGAGCCAGACTCCGACCATGTCCAGCTCAGACTCCGGAAGAACCTC
 AGCTATGAGGCAGCTCCTGATCACAAGGTGGTGGTGGTGTGAGTAACATAGAAGAACTGGTGGGCCAG
 GCCAGGCCCTGCAGCCACAGCCACAGTACTATACTAGTGGAGAGGGTGGTGTCTCCCTCAAGTTGGA
 CCAGGAGAGCTATGAGACCAGCATCCAGTCAGCACCCAGCTGGCTCCCTCTGCTGACCATCCAGCCC
 TCAGACCCCATGAGCAGAACCTCAGGTTCTCCCTGGTCAATGACTCAGAGGGCTGGCTCTGTATCAAGG
 AGGTGTCTGGGGAGGTACACACAGCCAGTCCCTGCAGGGTGCCAGCCTGGAGACACATACACAGTGCT
 TGTGGAGGCCAAGACACAGATAAGCCAGGACTGAGCACTTCTGCCACTGTTGTGATCCACTTCTGGAAG
 GCCTCTCTGTCCAGCATTGACTCTGTCTGCTGGGCCAGCCGACACCTCTGTACACCCCGCAAGACT
 ACGGTGTAGTTGTGAGTGGGGTCACTGAGGACCTGACCTAGCCAACAGGAATGGTCCCTACAGCTTTGC
 TCTCGTCCCAATCCCACTGTGCAGCGGATTGGCGCCTCCAGCCTCTCAACGATTCCACGCCTACCTC
 ACCTTGGCATTGCATTGGGTAGAGCCTGGTGAATACATGGTACCTGTGGTTGTCCACCATGATACCCATA
 TGTGGCAACTCCAGGTCAAAGTGATTGTGTGCTGCTGCAACGTGGAAGGCCAATGTATGCGCAAGGTGGG
 TCGCATGAAGGAATGCCACGAAACTGTCAGCGGTGGGTGTCTCTTGGGCACCCTGGCAGCGATAGGC
 TTCATTCTCATTCTTGTGTTACGCACCTGGCCTGGCAAGGAAGGACCTGGATCAGCCAGCAGACAGCG
 TGCTCTGAAGGCAGCGGT**GA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001252627

Insert Size:

2403 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_001252627.1, NP_001239556.1</u>
RefSeq Size:	2935 bp
RefSeq ORF:	2403 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 (2) lacks an in-frame exon in the coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.