

Product datasheet for **MC228864**

Cdh8 (NM_001285913) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cdh8 (NM_001285913) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cdh8
Synonyms:	AI851472; cad; cad8
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228864 representing NM_001285913
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCAGAAAGGCTAGCTGAGACGCTCATGGACCTCTGGACTCCATTAATAATATTATGGATTACCCTCC
 CTCTTTGTGTATACACGGCTCCGATGAATCAGGCTCACGTTTTAACTACTGGATCCCTTTGGAACTAAG
 CAGGCAGAGTGAAGACATGCGGATTTTGTAGCCGCTCCAAAAGAGGCTGGGTTTGGAAATCAATGTTTGT
 CTGGAAGAATTTCTGGACCTGAACCGATTCTCGTTGGCCGTTACACACAGATCTGGATCCTGGAAGCA
 AAAAAATCAAGTATATCCTATCGGGTATGGAGCTGGCACAATCTTCAAATAAATGATATAACTGGAGA
 TATCCATGCTATCAAAGACTTGACCGAGAGGAAAAGGCTGAATATACGTTAACGGCTCAGGCAGTGGAC
 TTTGAGACAAACAAGCCCTTGAGCCTCCTTCTGAATTTATTATTAAGGTTCAAGATATCAACGACAATG
 CACCTGAGTTCCTCAATGGACCTTATCATGCTACTGTTCCAGAGATGTCCATTTTGGGTACATCTGTAC
 TAATGTAAGTCCACTGATGCTGACGACCCAGTTTATGAAAACAGTGCAAAGTTGGTTTACAGTATCTTG
 GAGGGACAGCCGATTTTTCCATTGAGCCTGAAACAGCCATTATAAAAACTGCCCTTCTAACATGGACA
 GAGAAGCCAAGGAGGAATACCTGGTCGTAATACAAGCCAAGATATGGGTGGACACTCTGGTGGTCTGTC
 TGGAAACCAACACTCACAGTGACCCTGACTGATGTTAATGACAACTCTCCAAAATTTGCTCAGAGTTTG
 TATCACTTCTCAGTACCAGAAGATGTGGTCTTGGCACTGCGATAGGAAGGGTTAAGGCTAATGATCAGG
 ATATTGGTGAAAATGCACAATCATCCTATGACATCATTGATGGAGATGGGACAGCACTATTCGAAATCAC
 TTCTGATGCCAGGCCAGGATGGTGTATAAGACTGAGAAAAGCCTCTGGACTTTGAGACCAAAAAATCC
 TATACTTGAAGTGGAAGCAGCCAATATCCACATCGACCCACGTTTCAGTAGCAGGGGACCCCTTAAGG
 ATACAGCAACAGTCAAAATTTGCTGATAGAGGATGCTGATGAGCCTCCGGTCTTCTTCCACCACTTACCT
 CCTTGAAGTTCATGAAAATGCTGCTTTGAACTCTGTGATTGGCCAAGTGACAGCTCGTGACCCTGATATC
 ACTTCCAGTCCAATAAGGTTTTCCATTGACCGCCACACTGACCTGGAAAGACAGTTCAACATCAATGCAG
 ATGATGGGAAGATAAACTGGCACTCCACTGGACAGAGAATAAGTGTGGCACAACATCACCATCAT
 TGCTACTGAGATCAGGAACACAGTCAGATATCTCGAGTGCCTGTTGCTATTAAGTGTGGATGTCAAT
 GACAACGCCCTGAATTCGCATCCGAATATGAGGCATTTTTATGTGAAAATGGAAAACCCGGCCAAGTCA
 TTCAAACAGTAAGTGCCATGGACAAGACGATCCCAAAAACGGACATTTTTCTGTACAGTCTTCTTCC
 AGAAATGGTCAACAACCCAAATTTACCATCAAGAAAAATGAAGATAATCCCTGAGCATTCTGGCAAAA
 CATAATGGATTCAACCGCCAGAAGCAAGAAGTCTACCTTCTGCCTATAGTGATCAGTGACAGTGGAAACC
 CCCTCTGAGTAGCACCAGTACGTTGACCATCCGAGTCTGTGGCTGTAGCAATGATGGCGTGGTCCAGTC
 GTGCAATGTTGAAGCTTATGTCCTTCTATTGGACTCAGTATGGGCGCCTTAATTGCTATATTAGCATGC
 ATCATTTTGTGCTCGTCATTGTGGTTCTGTTGTACCCTGAGGAGGCACAAAAATGAACCACTTATTA
 TCAAAGATGACGAAGACGTTTCGAGAAAACATCATTGCTACGACGACGAAGGAGGAGGGGAGGAGGACAC
 AGAGGCTTTTGCATTGCAACTTTGCAAAAACCCAGATGGAATTAATGGATTTTTACCCCGTAAGGATATT
 AAACCAGATTTGCAGTTTATGCCAAGATTACCAAAGAGGCTTCTAAGAGGAATACCAGAGAATGCTGCC
 TGAAGAAAGGGACTATGGACCACAGTGACTTCAAAGAAAAAAAATAAGCCAGGACTTCAAAGGAAAGG
 AGAGGTCACTAAAGGCACATGT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001285913
Insert Size: 2265 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:	<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:	<u>NM_001285913.1, NP_001272842.1</u>
RefSeq Size:	3203 bp
RefSeq ORF:	2265 bp
Locus ID:	12564
Cytogenetics:	8 49.4 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. Mice lacking the encoded protein exhibit reduced behavioral responses to cold, but not thermal stimuli. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar proteolytic processing. Multiple distinct genes of the cadherin family, including this gene, are found on chromosome 8. [provided by RefSeq, Oct 2015]</p> <p>Transcript Variant: This variant (3) uses an alternate splice site in the 3' coding region and includes an alternate 3' terminal exon compared to variant 2. The resulting protein (isoform 3) is shorter and has a distinct C-terminus compared to isoform 2. This isoform (3) may undergo proteolytic processing similar to isoform 2.</p>