

## Product datasheet for **MC228832**

### **Cdh26 (NM\_001291189) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cdh26 (NM_001291189) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cdh26
Synonyms:	Gm1010
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC228832 representing NM\_001291189  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGACACCAGAGGCTGTGCCTGGTTGCTGCTGCTGCTCATTACCGCAGGGACAGAGCCACCAGCCTC  
 TACATCGATCCAAGAGAAGATGGTTCTACCACCTGGAAGTGCAGGAGGAAGACCCAGGGCCCTTCC  
 TAAACTGGTTGGGGAGCTCTCAATAATATGTCAAACAATGTGTCACTGATATATTTAATCAGAGGACCT  
 GGTGTGGACGAATTTCCAGAGATTGGTTTATTCTCTATAGAAGATCACCAGAGTGAAAAATATATGTTCC  
 ACCGCCCTGTCGATCGAGAAGTGACACCGTCTTTTATGGTGCACCTTGGATGCCGTAGATCGATCCACAGG  
 GAAAGTTGTGGATGAATCCCTGATTTTCAACATTAGAATCAGAGATGTGAATGACCATGCACCCAGTTT  
 CCTGAGAAGGAATTTAACATCAGTGTGAAAGAGAGCCAAGCCGCAGGTCAACCTATTTTTCACTGTTAA  
 CGGTGATTTGGACCAAGAAAACACTCCAACTCTCAAGTCTTTATTTCTCGTCTCTCAAACGCCATT  
 ACTGAGGAAAGTGGCTTTCGGATTGATCTCATCAGCGGGAAGTGCAGTCTCGGGATGCTTACATTAT  
 GAGACTGCTCCTCTGTTCACTGATCGTCAGAGCAAGTATTGTGGAGAGCCATCCCTGACATCCACGG  
 CCACCATTCATGTGAGTGTGAAGACAGCAACAACCACATGCCACATTTATGGAAGACCGTTATGAGAT  
 TCGGATTTCTGAAGTCAAGTCAACAGGGTGTGTGATCTCCCTGTCCAAGATGGAGATTCTCCATTT  
 ACACCAGCATGGAGAACAATCAACATATGGGATGGCAACGAGGAGGGCCATTTTATGATTTGTGACTG  
 ACCCTGAGACCAACCAAGGGTGTAAAGTATTATCAAGCCTTTGGATTATGAATCTCAAGTAGCCCATAG  
 CCTCGTCGTTGTTGTGGAGAATCAGGAGCAGCTCTTCTGTTGTACGGAGGGCCAGCTGCAGCCATTGAGG  
 AAGCGGATGGCCAGCACCATGGTGAAGTGGAGCCTGGCCCGCCATCCAGCTGGGACTTTCAATGCTACAGA  
 AGAGCTTCAATGTGAGTGAAGGATGGAGCCTGGCCCGCCATCCAGCTGGGACTTTCAATGCTACAGA  
 CCCAGACAGGGCTGACAGCCAGATAAGATACAACTGGTTCATGATCCAGAAAATTTGGGTGACCGTGGAT  
 GAGAAGTCAAGGAGTGGTGAACCAAGAAGCAAATAGACCAGGAGTCCCCTCATGTGAATGACAGTTTCT  
 ATACAATCATCGTCCATGCAGTTGACAACGGCCTTCCCCCGTACTGGCACGGGGACTCTGATGCTTTT  
 CCTATCTGATGTCAACGACAATGCTCCAACCTCCGGCCCATTTCCGACACTTGGAGGTCTGTGAGTGC  
 GCTGGGAGCCAGCCCTGCTGATAGAAGCTGAGGATGCAGATCTGGACCCCTACGCTGACCCCTTACTT  
 TTGATTTGGACAATGCTCAGGGAGAGTGAAGAGACTGGATGCTGAGGACAAAGCAGGGGAAGGCCA  
 CTCTGCTGAACACTACAATGCTGAGAAGCGTCCCAGCCGGGATTACTTGGTGCCACTCTTCATAGCTGAC  
 AGACAGGGCCTCGCCAGAACGACAGACTCCACGTGAGAACTGCTCCTGCCGAGTGGCTGAAATGTG  
 AGGAGCCTTCGGACACATGGCTCCTGTGGTGGGCCCTGTCCCAGTTGGTGCAGCACTTATGGTTCTGTC  
 AGCTGCTCTCCTTTGCCTGCTGCGGTGCTCCTGCACATTTGGACCAAGAGGCTCAGAGGCTTCATCCCA  
 AGTGACAGTGGCCACCAGACTGATTGTGATAACGAGGAAAGCAAAGTCCCTTCAGCCAGGTCTATC  
 TGGATCGTATGGTACCCAGACAGCAGCCCTGCAGCTGCTGGAAGGAAGAGTGGTGGAGGCATGGAGCCA  
 GAAGCTCCAGAGTATTGATGTTCTGGAAGGTGACACTGGCTACCTGCCTCATGTTTACAGAGAGGAGGGC  
 GAGTGTGAAGGAGCTGAGACCCTCAGCTCTTAACCTTCTGGAGCAGGACCTCTCCCCAAGTTGCTGG  
 GCTGCTCGGGCTCAAAATCTACTCCCTGAAGCAATGTGTTTTACATCAAGAGTTCTTCA**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001291189  
**Insert Size:** 2235 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).

<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001291189.1</a></u> , <u><a href="#">NP_001278118.1</a></u>
<b>RefSeq Size:</b>	2965 bp
<b>RefSeq ORF:</b>	2235 bp
<b>Locus ID:</b>	381409
<b>UniProt ID:</b>	<u><a href="#">P59862</a></u>
<b>Cytogenetics:</b>	2 H4
<b>Gene Summary:</b>	<p>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. Ligand for integrins alpha-E/beta-7, ITGAE:ITGAB7, alpha-4/beta-7, ITGA4:ITGAB7 and alpha-4/beta-1, ITGA4:ITGAB1 through which modulates CD4(+) T cells activation.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 3' coding region, compared to variant 1, resulting in an isoform (b) that is shorter than isoform a.</p>