

## Product datasheet for **MC221086**

### **Pnn (NM\_008891) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Pnn (NM_008891) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Pnn
Synonyms:	AU045199; D12Ertd512e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221086 representing NM\_008891  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGGTGCGCCGTGAGAGCTTTGCAGGAGCAGCTAGAGAAGGCCAAAGAGAGCCTCAAGAATGTGGACG  
 AGAATATCCGCAAGCTCACCGGGCGGGACCCGAATGATGTGAGGCCCATCCAAGCCAGATTGCTGGCCCT  
 TTCTGGTCTGGTGGAGGTAGAGGACGAGGTAGCTTATTGCTAAGGCGTGGATTCTCAGATAGTGGAGGA  
 GGACCCCAAGCAAAACAAAGAGACCTGGAAGGGGCACTCAGTAGGCTGGTGGGAGCGTCGGACAAGAA  
 GAGAATCACGCCAGGAGAGCGACCCAGAAGACGATGATGTTAAAAAGCCAGCACTGCAATCTTCCGTTGT  
 AGCTACCTCCAAAGAGCGCACGCGCAGAGACCTTATCCAGGATCAAACATGGATGAGAAGGGGAAGCAA  
 AGGAACCGACGAATTTGGCTTGTGATGGGCACTCTCAGAAATTTAAACAAGAATCTACTGTTGCTA  
 CTGAACGGCAAAAAGACGCCAAGAAATGAACAAAACTTGAAGTTCAGGCTGAAGAAGAGAGAAAAGCA  
 GGTGAAAACGAGAGGCGAGAAGTGTGGAGGAGAGACGTGCTAAGCAGACGGAGCTGCGGCTTCTGGAG  
 CAGAAGGTTGAGCTTGCCGAGCTGCAAGAAGAATGGAATGAACATAATGCCAAGATAATTAAGTATATAA  
 GGACCAAGACAAAAGCCCATTTGTTCTATATTCCTGGAAGAATGTGTCCAGCTACCCAAAAGCTAATAGA  
 AGAGTACAGAGAAAAGATGAATGCTTTATTTGAAGGTAGACGCATCGAATTTGCAGAACAAATAAATAAA  
 ATGGAGGCTAGGCCTAGAAGACAATCAATGAAGGAAAAAGAGCATCAGGTGGTGCCTAATGAAGAACAGA  
 AGGCGGAACAAGAAGAGGGTAAGGTGGCTCAGCGAGAGGAAGAGTTGGAGGAGACAGGTAATCAGACAA  
 TGATGTAGAAGTAGAGGAGCAGGAGAGGAAGAGGAGAAGGAAGCAGGTATAGTTCATAGTATGCAGAG  
 AAAGAACAGGAGGAGGAGGAACAAAAGCAGGAAATGGAGGTTAAGACTGAGGAGGAGCTGAGGTAAGAG  
 AAGGTGAGAAGCAGCAGGATAGTCAGCCAGAAGAAGTGTGGATGTGCTAGAGATGGTGGAAAGTGTCAA  
 ACACGTAATTGCTGAGCAGGAAGTAATGGAACTAACCAAGTTGAAAGTATAGAGCCTTCAGAAAAATGAA  
 ACTAGCAAGAATTTGGAGCCAGAGATGGAATTTGATGTTGAGCCAGATAAAGAATGTAATCTCTTTCTC  
 CTGAAAAAGAGAAATTAATTCTCAGGAAGTGGAAAAGGAGTCTGAGGAGAAAAGAGGAAAAAGAGAGAA  
 AGAACCTGAGCCCAACCTGAGCCTGTGGCTCAGCCTCAGCCCCACCTCAGCCCTGCCCCAGAGCCAG  
 CCCCATTCTCAGCCCACTCCCAGCCCCAGCCTGTACTCCAGTCCAGCCTCTCTGTGAGCCTGAGACTT  
 TGCCATTAGCTGTTTTCAGCCTCCACCTCAGGTTATTCAGGAGCAAGGGAATCTACTACCTGAGCGGAA  
 GGATTTCTCTAGAGTCTATAAACTCCCTGAGGTGTCTGTAGAGCCAGTCTTGACAGTACATTCAGAA  
 AACAAAAGCAAGAATAAGACTAGGAGCAGGAGCAGGGGGCGAGCAAGGAATAAAACAAGCAAGAGTAGAA  
 GTCGGAGCAGCAGCAGTAGTTCAGTAGCAGCTCTACTAGTAGCAGCAGCGGGAGCAGCTCCAGCAG  
 TGGCAGCAGCAGTAGTGAAGCAGCTCCAGCAGCAGCTCCAGCAGCAGTGGGAGCAGCAGAGACAGC  
 AGCAGCAGCACTAGCAGTAGCAGTAGGAGTGCAGTAGGGGCCGAGGACATAACCGAGATAGGA  
 AGCAGCAGAAAGGAGCGTGGACCGGAAGCGAAGGGTACTTCAGGACTAGAAAGAAGTCACAAGTCTTCAA  
 AAGTGGTAGTAGTAGATACAAAAGGATCAAAGGATAAGAGTTCCTCCGCTGACAGAAAAAGGTCTATA  
 TCAGAGAGTAGTCGATCAGGCAAAAGATCTTCAAGAAGTAAAGAGACCGAAAAATCAGACAGGAAAGACA  
 AAAGGCGT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_008891

**Insert Size:** 2181 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>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_008891.2</a></u> , <u><a href="#">NP_032917.2</a></u>
<b>RefSeq Size:</b>	3469 bp
<b>RefSeq ORF:</b>	2181 bp
<b>Locus ID:</b>	18949
<b>UniProt ID:</b>	<u><a href="#">O35691</a></u>
<b>Cytogenetics:</b>	12 26.0 cM
<b>Gene Summary:</b>	Transcriptional activator binding to the E-box 1 core sequence of the E-cadherin promoter gene; the core-binding sequence is 5'CAGGTG-3'. Capable of reversing CTBP1-mediated transcription repression. Auxiliary component of the splicing-dependent multiprotein exon junction complex (EJC) deposited at splice junction on mRNAs. The EJC is a dynamic structure consisting of core proteins and several peripheral nuclear and cytoplasmic associated factors that join the complex only transiently either during EJC assembly or during subsequent mRNA metabolism. Participates in the regulation of alternative pre-mRNA splicing. Associates to spliced mRNA within 60 nt upstream of the 5'-splice sites. Component of the PSAP complex which binds RNA in a sequence-independent manner and is proposed to be recruited to the EJC prior to or during the splicing process and to regulate specific excision of introns in specific transcription subsets. Involved in the establishment and maintenance of epithelia cell-cell adhesion (By similarity).[UniProtKB/Swiss-Prot Function]