

## Product datasheet for **MC215827**

### **Nectin3 (NM\_021497) Mouse Untagged Clone**

#### **Product data:**

<b>Product Type:</b>	Expression Plasmids
<b>Product Name:</b>	Nectin3 (NM_021497) Mouse Untagged Clone
<b>Tag:</b>	Tag Free
<b>Symbol:</b>	Nectin3
<b>Synonyms:</b>	2610301B19Rik; 3000002N23Rik; 4921513D19Rik; AA407785; AU016832; AW538082; CD113; Pvr13
<b>Vector:</b>	pCMV6-Entry (PS100001)
<b>E. coli Selection:</b>	Kanamycin (25 ug/mL)
<b>Cell Selection:</b>	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >MC215827 representing NM\_021497  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGGACCCGGGGCCGGCCCGTTGTGTCTGGAGGCGGCAAAGCACAACTTTCCTCGGCGTTTC  
 CTCCCGGGCCGGACTGCTGCTGCCGGCCCGACGCCCGCCGCTGCTGCTGCTTATTCCCCTGCT  
 TCTCTTCTCCCGCTCTGTGGTGCCTTAGCTGGATCAATTATTGTGGAGCCACATGTCACAGCAGTGTGG  
 GGAAAGAATGTTTCATTGAAGTGTTTAATTGAAGTGAATGAAACTATAACCCAGATCTCATGGGAGAAGA  
 TACATGGCAAAGTACACAGACTGTTGCAGTTCATCATCCTCAGTATGGATTCTCTGTTCAAGGAGATTA  
 TCAGGGAAAGAGTCTTGTAAAACTATCACTTAATGATGCAACAATTACTCTGCATAACATAGGCTTC  
 TCAGATTCTGGAAAATATATATGCAAAGCCGTTACATCCCACTTGAAAATGCTCAGTCTCTACAACAG  
 TGACTGTGTTAGTTGAACCCACAGTGAAGCTGATAAAAAGGGCCGGATTCTTTAATTGATGGAGGGAATGA  
 GACAGTAGCAGCCGTTTGTGTAGCAGCCACTGGAAAGCCAGTCGCACAGATTGACTGGGAAGGTGATCTT  
 GGTGAAAATGGAATCTAGTACAACCTCTTTTCTAATGAAACAGCAACGATTGTCAGCCAATACAAGCTGT  
 TTCCACAAAGATTTGCTCGAGGAAGGCGAATTACTTGTGTTGTA AACATCCAGCCTTAGAAAAGGACAT  
 TCGCTACTCTTTCATACTAGACATACAGTATGCTCCTGAAGTTTCAGTAACAGGATATGATGGAAAATGG  
 TTCGTGGGAAGAAAAGGTGTTAACCTCAAGTGAATGCTGATGCAAACCTCCACCCTTCAAGTCCGCTGT  
 GGAGCAGGTTGGATGGACAATGGCCTGATGGTTTATTGGCGTCAGATAAATACTCTTCATTTTGTCCATCC  
 ATTGACTGTCAATTATTTGGCGTTTATGTCTGTAAGATCAAATCCCTTGGTCAAAGAAGTGATCAA  
 AAGGTTATCTACATTTACAGACATCCCGCTTACGCAGACCTCATCCATAGCAGTGGCTGGAGCCGTGATTG  
 GAGCTGTCTGGCCCTTTCATCATCACCGTCTTTGTGACTGTGTTGCTGACGCCGGAAGGAGGACCC  
 GTCCATCTTGACAAAGTAATCGACCTTCCACCTACACATAAGCCACCCCTGTATATGAAGAACGAATT  
 CCTTCTCTCCCTCAGAAAGACCTTCTTGGCCAGGTACGTGCTCTGAAGACACT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI

**ACCN:** NM\_021497

**Insert Size:** 1317 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**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.

**RefSeq:** [NM\\_021497.2](#), [NP\\_067472.1](#)

**RefSeq Size:** 1861 bp

**RefSeq ORF:** 1317 bp

**Locus ID:** 58998

**UniProt ID:** [Q9JLB9](#)

**Cytogenetics:** 16 B5

**Gene Summary:** Plays a role in cell-cell adhesion through heterophilic trans-interactions with nectins-like or other nectins, such as trans-interaction with NECTIN2 at Sertoli-spermatid junctions. Trans-interaction with PVR induces activation of CDC42 and RAC small G proteins through common signaling molecules such as SRC and RAP1. Also involved in the formation of cell-cell junctions, including adherens junctions and synapses. Induces endocytosis-mediated down-regulation of PVR from the cell surface, resulting in reduction of cell movement and proliferation. Plays a role in the morphology of the ciliary body.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (gamma) differs in the 3' UTR and coding sequence compared to variant alpha. The resulting isoform (gamma) is shorter and has a distinct C-terminus compared to isoform alpha.