

Product datasheet for **MC217168**

Nectin3 (NM_021496) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nectin3 (NM_021496) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nectin3
Synonyms:	2610301B19Rik; 3000002N23Rik; 4921513D19Rik; AA407785; AU016832; AW538082; CD113; Pvr13
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217168 representing NM_021496
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCGGACCCGGGGCCGGCCCGTTGTGTCTGGAGGCGGCAAAGCACAACTTTCCTCGGCGTTTC
 CTCCCGCGGCCGACTGCTGCTGCCGGCCCGACGCCCGCCGCTGCTGCTGCTTATTCCCCCTGCT
 TCTCTTCTCCCGCTCTGTGGTGCCTTAGCTGGATCAATTATTGTGGAGCCACATGTCACAGCAGTGTGG
 GGAAAGAATGTTTCATTGAAGTGTTTAATTGAAGTGAATGAAACTATAACCCAGATCTCATGGGAGAAGA
 TACATGGCAAAGTACACAGACTGTTGCAGTTCATCATCCTCAGTATGGATTCTCTGTTCAAGGAGATTA
 TCAGGGAAAGAGTCTTGTAAAACTATCACTTAATGATGCAACAATTACTCTGCATAACATAGGCTTC
 TCAGATTCTGGAAATATATATGCAAAGCCGTTACATCCCACTTGAAATGCTCAGTCTCTACAACAG
 TGACTGTGTTAGTTGAACCCACAGTGAAGCTGATAAAAGGGCCGGATTCTTTAATTGATGGAGGGAATGA
 GACAGTAGCAGCCGTTTGTGTAGCAGCCACTGGAAAGCCAGTCGCACAGATTGACTGGGAAGGTGATCTT
 GGTGAAATGGAATCTAGTACAACCTCTTTTCTAATGAAACAGCAACGATTGTCAGCCAATACAAGCTGT
 TTCCACAAAGATTTGCTCGAGGAAGGCGAATTACTTGTGTGTAACATCCAGCCTTAGAAAAGGACAT
 TCGCTACTCTTTCATACTAGACATACAGTATGCTCCTGAAGTTTCAGTAACAGGATATGATGGAAATTGG
 TTCGTGGGAAGAAAAGGTGTTAACCTCAAGTGAATGCTGATGCAAACCTCCACCCTTCAAGTCCGTGT
 GGAGCAGGTTGGATGGACAATGGCCTGATGGTTTATTGGCGTCAGATAAATACTCTTCATTTTGTCCATCC
 ATTGACTGTCAATTATCTGGCGTTTATGTCTGTAAGATCAAATCCCTTGGTCAAAGAAGTGAATCAA
 AAGTTATCTACATTTACAGACATCCCGCTTACGCAGACCTCATCCATAGCAGTGGCTGGAGCCGTGATTG
 GAGCTGTCTGGCCCTTTCATCATCACCGTCTTTGTGACTGTGTTGCTGACGCCCTCGGAAAAAGAGACC
 GTCCTATCTTGACAAAGTAATCGACCTTCCACCTACACATAAGCCACCCCTGTATATGAAGAACGAATT
 CCTTCTCTCCCTCAGAAAGACCTTCTTGGCCAGACTGAACAATTGCCCTTGCAGACTCAGTTCAAGGAGA
 AAGGAGCTGGTGGTCTTCAGCCCTCTAATGGACCAATTAGCAGGAGATTTGACTATGAGGATGAGAGCAC
 AATGCAAGAAGTGGAACTCAGCGCATGTGCCCTTTATAGCCAGATGTGCCACCAAGACCGAAGCCCT
 CGCCAACATCACCCACGCAACCCCGAGAGACTCTACATCAACCCACGAGAACATTATGT**GTA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_021496
- Insert Size:** 1533 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).
- 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_021496.3](#), [NP_067471.1](#)

RefSeq Size: 1964 bp

RefSeq ORF: 1533 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 (beta) differs in the 3' UTR and coding sequence compared to variant alpha. The resulting isoform (beta) is shorter and has a distinct C-terminus compared to isoform alpha. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.