

Product datasheet for **MC218833**

Nectin3 (NM_021495) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nectin3 (NM_021495) 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: >MC218833 representing NM_021495
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGCGGACCCCGGGCCCGCCCGTTGTGTCTGGAGGCGGCAAAGCACAACTTTCCTCGGCGTTTC
 CTCCCGCGGCCGGACTGCTGCTGCCGGCCCGACGCCCGCGCTGCTGCTGCTTATTCCCCTGCT
 TCTCTTCTCCCGCTCTGTGGTGCCTTAGCTGGATCAATTATTGTGGAGCCACATGTCACAGCAGTGTGG
 GGAAAGAATGTTTCATTGAAGTGTAAATTGAAGTGAATGAACTATAACCCAGATCTCATGGGAGAAGA
 TACATGGCAAAGTACACAGACTGTTGCAGTTCATCATCCTCAGTATGGATTCTCTGTTCAAGGAGATTA
 TCAGGGAAAGAGTCTTGTAAAACTATCACTTAATGATGCAACAATTACTCTGCATAACATAGGCTTC
 TCAGATTCTGGAAAATATATATGCAAAGCCGTTACATCCCACTTGAAAATGCTCAGTCTCTACAACAG
 TGAAGTGTAGTTGAACCCACAGTGAAGCTGATAAAAAGGCGCGATTCTTTAATTGATGGAGGGAATGA
 GACAGTAGCAGCCGTTTGTGTAGCAGCCACTGGAAAGCCAGTCGCACAGATTGACTGGGAAGGTGATCTT
 GGTGAAAATGGAATCTAGTACAACCTCTTTTCTAATGAAACAGCAACGATTGTCAGCCAATACAAGCTGT
 TTCCACACAAGATTTGCTCGAGGAAGGCGAATTACTTGTGTGTA AACATCCAGCCTTAGAAAAGGACAT
 TCGCTACTCTTTCATACTAGACATACAGTATGCTCCTGAAGTTTCAGTAACAGGATATGATGGAAAATTGG
 TTCGTGGGAAGAAAAGGTGTTAACCTCAAGTGAATGCTGATGCAAACCTCCACCCTTCAAGTCCCGTGT
 GGAGCAGGTTGGATGGACAATGGCCTGATGGTTTATTGGCGTCAGATAAATACTCTTCAATTTGTCCATCC
 ATTGACTGTCAATTATCTGGCGTTTATGTCTGTAAGTATCAAATCCCTTGGTCAAAGAAGTGATCAA
 AAGGTTATCTACATTTAGATCCTCCTACCACCACCCTTCCAGCCGACAGTTCAGTGGCATTCTCCAC
 CTGCTGACGTCAGGATATAGCAACAGAGCATAAAAAATTGCCCTTTCCTTTGTCAACTTTGGCAACACT
 TAAGGATGACACAATTGGCACCATATTGCTAGTGTAGTGGTGGGGCTCTCTTCTTAGTGCTTGTGAGC
 ATTTTAGCTGGGGTATTCTGCTATAGGAGACGACGGACGTTTCGTGGAGACTACTTTGCCAAAACTACA
 TTCCACCATCAGACATGCAGAAAGAATCACAGATTGATGTTCTTACCAGGATGAGCTGGATTCTTACCC
 AGACAGTGTAAAAAGGAAAACAAAAATCCAGTAAACAACCTGATCCGCAAAGACTACTTAGAGGAGCCT
 GAGAAAACCTCAGTGAATAATGTAGAGAACCTCACTAGGTTTAAAAGACCGATGGATTACTATGAAGATC
 TAAAAATGGGAATGAAGTTTGTGAGTGAACGCTACAATGAAAGTGAAGATGGTTTGGTTTCTCATGT
 AGATGGCTCCGTAATTTCCAGGAGGGAGTGGTATGCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_021495

Insert Size: 1650 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_021495.4](#), [NP_067470.1](#)

RefSeq Size: 3085 bp

RefSeq ORF: 1650 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 (alpha) represents the longest transcript and encodes the longest 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.