

Product datasheet for **MR224209**

Nectin3 (NM_021495) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nectin3 (NM_021495) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nectin3
Synonyms:	2610301B19Rik; 3000002N23Rik; 4921513D19Rik; AA407785; AU016832; AW538082; CD113; Pvr13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR224209 representing NM_021495
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCGGACCCGGGCGGCCCGTTGTGCTCTGGAGCGGCAAAGCACAACTTTCCTCGCGGTTTC
 CTCCCGCGGCCGACTGCTGCTGCCGGCCCGACGCCCGCGCTGCTGCTGCTTATTCCCCCTGCT
 TCTCTTCTCCCGCTCTGTGGTGCCTTAGCTGGATCAATTATTGTGGAGCCACATGTCACAGCAGTGTGG
 GAAAGAATGTTTCATTGAAGTGTTAATTGAAGTGAATGAAACTATAACCCAGATCTCATGGGAGAAGA
 TACATGGCAAAGTACACAGACTGTTGCAGTTCATCATCCTCAGTATGGATTCTCTGTTCAAGGAGATTA
 TCAGGGAAGAGTCTTGTAAAACTATCACTTAATGATGCAACAATTACTCTGCATAACATAGGCTTC
 TCAGATTCTGGAAAATATATATGCAAAGCCGTTACATCCCACTTGAAATGCTCAGTCTCTACAACAG
 TGAAGTGTAGTTGAACCCACAGTGAAGCTGATAAAAGGGCCGGATTCTTTAATTGATGGAGGGAATGA
 GACAGTAGCAGCCGTTTGTGTAGCAGCCACTGGAAAGCCAGTCGCACAGATTGACTGGGAAGGTGATCTT
 GGTGAAATGGAATCTAGTACAACCTCTTTTCTAATGAAACAGCAACGATTGTCAGCCAATACAAGCTGT
 TTCCACAAAGATTTGCTCGAGGAAGGCGAATTACTTGTGTGTA AACATCCAGCCTTAGAAAAGGACAT
 TCGCTACTCTTTCATACTAGACATACAGTATGCTCCTGAAGTTTCAGTAACAGGATATGATGGAAATGG
 TTCGTGGGAAGAAAAGGTGTTAACCTCAAGTGAATGCTGATGCAAACCTCCACCCTTCAAGTCCGCTGT
 GGAGCAGGTTGGATGGACAATGGCTGATGGTTTATTGGCGTCAGATAAATACTCTTCAATTTGTCCATCC
 ATTGACTGTCAATTATCTGGCGTTTATGTCTGTAAGATCAAAATCCCTTGGTCAAAGAAGTGAATCAA
 AAGGTTATCTACATTTAGATCCTCTACCACCACCCTTCAGCCGACAGTTTCAAGTGGCATTCTCAC
 CTGCTGACGTCAGGATATAGCAACAGAGCATAAAAAATGCCCCTTCTTTGTCAACTTTGGCAACACT
 TAAGGATGACACAATTGGCACCATCATTGCTAGTGTAGTGGGTGGGCTCTCTTCTTAGTCTTGTGAGC
 ATTTTAGCTGGGTATTCTGCTATAGGAGACGACGGACGTTTCGTGGAGACTACTTTGCCAAAACTACA
 TTCCACCATCAGACATGCAGAAAGAATCACAGATTGATGTTCTTACCAGGATGAGCTGGATTCTTACCC
 AGACAGTGTAAAAAGGAAAAACAAAAATCCAGTAAACAACCTGATCCGCAAAGACTACTTAGAGGAGCCT
 GAGAAAACCTCAGTGAATAATGTAGAGAACCTCACTAGGTTTAAAAGACCGATGGATTACTATGAAGATC
 TAAAAATGGGAATGAAGTTTGTGAGTGAACGCTACAATGAAAGTGAAGATGGTTTGGTTTCTCATGT
 AGATGGCTCCGTAATTTCCAGGAGGGAGTGGTATGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224209 representing NM_021495
 Red=Cloning site Green=Tags(s)

MARTPGPAPLCPGGGKAQLSSAFPPAAGLLLPAPTPPPLLLLLIPLLLFSRLCGALAGSIIVEPHVTAVW
 GKNVSLKCLIEVNETITQISWEKIHGKSTQTVAVHHPQYGFVSVQGDYQGRVLFKNYSLNDATITLHNIGF
 SDSGKYICKAVTFPLGNAQSSTTVTLVEPTVSLIKGPDSLIDGGNETVAAVCVAATGKPVQIDWEGDL
 GEMESSTTSFPNETATIVSQYKLPTRFARGRRITCVVKHPALEKDIRYSFILDIQYAPEVSVTYDGNW
 FVGRKGVNLKCNADANPPPFKSVWSRLDGQWPDGLLASDNTLHFVHPLTVNYSVGVYVCKVSNLQGRSDQ
 KVIYISDPPTTTTLQPTVQWHSSPADVQDIATEHKKLPFPLSTLATLKDDTIGTIIASVVGALFLVLVS
 ILAGVFCYRRRTFRGDYFAKNYIPPSDMQKESQIDVLHQDELDSYPDSVKKENKNPVNLIIRKDYLEEP
 EKTQWNNVENLTRFERPMDYEDLKMGMKFVSDERYNESEDGLVSHVDGVSISRREWW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9015_e02.zip

Restriction Sites:

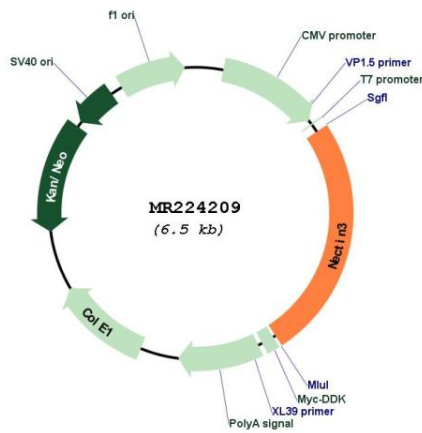
SgfI-MluI

Cytogenetics: 16 B5

MW: 61 kDa

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]

Product images:



Circular map for MR224209