

Product datasheet for **MC206023**

Nell2 (BC051968) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nell2 (BC051968) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nell2
Synonyms:	A330108N19Rik; mel91; R75516
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC051968
 TGGACTGAGACGATGCACGCCATGGAATCCCGGGTGTACTGAGAACGTTCTGCGTGATCCTCGGGCTTG
 GAGCGGTTTGGGGCTTGGTGTGGACCCCTCCCTACAGATTGACGTCTTAACAGAGTTAGAACTTGGGGA
 GTCTACAGATGGAGTGCGCCAAGTCCCGGGACTGCATAATGGGACGAAAGCCTTCTCTTCCAAGAGTCC
 CCCAGAAGCATAAAGGCATCCACTGCTACAGCTGAGCGGTTTTTCCAGAAGCTGAGAAATAAACACGAGT
 TCACAATCTTGGTGACCCTGAAACAGATCCACTTAAATTCGGGAGTTATCCTCTCCATCCACCACCTTGG
 TCACAGGTACCTGGAAGTGGAAAGCAGTGGCCATCGGAATGAGATCAGACTCCACTACCGCTCTGGCCT
 CACCGTCCCACACGGAAGTGTTCCTTATATTTTGGCTGATGCCAAGTGGCACAAGCTCTCCTTAGCCT
 TCAGTGCCTCTCACTTAATTTTACACATCGACTGCAATAAGATCTATGAACGAGTGGTGGAAATGCCTTC
 AACAGACTTGCCTCTGGGCACCACATTTTGGTGGGACAGAGAAAATAATGCACATGGCTATTTTAAAGGA
 ATAATGCAGGATGTGCACGTTCTTGTATGCCTCAGGGCTTATTGCTCAGTGCCCGGACCTTAATCGAA
 CCTGTCCAACATGCAACGACTTCCATGGGCTTGTGCAGAAAATCATGGAGCTGCAGGACATTTTATCAA
 GACGTCAGCCAAGTTGTCCAGAGCTGAACAAAGAATGAACAGGCTGGATCAGTGTACTGTGAGCGGACA
 TGCAGTGTGAAGGAACACCTACCGAGAGTCTGAGTCTGGACAGACGGCTGTAAGAACTGCACATGCT
 TGAACGGGACCATCCAGTGCAGACTCTGGTCTGCCCTGCTCCTGACTGCCCTCCTAAATCGGCCCTGC
 GTATGTGGATGGCAAGTGTGTAAGGAGTGCAAAATCAACCTGCCAGTTCACGGGACGGAGCTACTTTGAG
 GGAGAAAGGAACACGGTATACTCATCTTCTGGAATGTGTGCTTATATGAATGCAAGGATCAGACCATGA
 AGCTTGTGAGAACATTGGCTGCCACCCTTAGATTGTCCCGAGTCTCATCAGATTGCCTTGTCTCACAG
 CTGCTGCAAGGTTTGTAAAGGTTATGACTTCTGTTCTGAGAAGCATACCTGCATGGAGAACTCGGTCTGC
 AGGAACCTGAACGACAGGGCTGTGTGCAGCTGCAGGGATGGTTTTTGGGCTCTCCGAGAGGACAACGCC
 ACTGTGAAGACATTGACGAGTGTGCAGAAGGGCGCCATTACTGCCGTGAGAACACCATGTGTGTGAATAC
 ACCTGGTCTTTTTCATGTGTATCTGCAAAACTGGGTACATCAGGATCGACGATTACTCATGTACAGAAAT
 GATGTGTCTCACAAACCAGCACAAATTTGTGATGAAAACGCTTTTGTGCTTTAACACTGTTGGAGGACACA
 ACTGTGTCTGCAAGCCTGGCTACACCGGGAATGGAACCAAGTGCAGAAAGCTTTCTGCAAGATGGCTGTAG
 AAACGGAGGAGCGTGCATTGCTGCCAATGTGTGCTGCCACAAAGGTTACGGGACCCAGCTGTGAG
 ACAGACATTGACGAGTGTCTGAGGGCTTTGTTTCAAGTGTGACAGCCGTGCCAACTGCATCAACCTGCCTG
 GGTGGTATCACTGTGAGTGCAGAGACGGCTACCATGACAATGGGATGTTTGCAGGAGGAGGAGATCCTG
 TGAAGATATTGACGAATGCGGGACTGGGAGGCACAGCTGCACCAACGACACCATTGCTTCAACTGGAC
 GGGGGATACGATTGCCGGTGTCCCATGGGAAGAACTGCACTGGGACTGCGTGCACGAGGGGAAAGTGA
 AGCACACCGGCCAGATCTGGGTGCTGAAAACGACAGGTGCTCCGTGTGTTTCTGCCAGACTGGGTTTGT
 CATGTGTGACGGATGGTCTGCGACTGCGAAAACCCACAGTTGACCTTTCTGTGCCCTGAGTGTGAC
 CCAAGGCTGAGCAGTCAAGTGCCTGCATCAAAACGGGAAACCGTGTACAACAGCGGCGACACCTGGGTCC
 AGGATTGCCGTCAAGTGCCTGCTTGAAGGAGAAGTTGACTGTTGGCCCTGGCTTGCCAGAGGTAGA
 ATGTGAATTTAGCGTCTTCTGAGAACGAGTGTGCCACGCTGTGTCACCGATCCTTGTGAGCCGAC
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 GGATCAAGCACGGCAGGAGTGTACCCTCTGCCAGTGAAGAATGGCCATTTGTGCTGCTCAGTGGATCC
 ACAGTGCCTTTCAGGAGCTGTGAAGTAACTGCCTCATGGGAGATATCTGTTCAAAGAATGTTTTCTCATT
 TCAAAAAGACCAATAAATAAATAAATAAATAAAGTGAAGTGTGGCCAGCCAGATGCAACTTTGTTAGC
 AGCTGGATAGACTGATGTCGATTATGGATTCTGTGGGCTGAGGAACATCTGAGGAAGCGAGATGACC
 ATTCTGCTTTTACTATTCTGGGATCACCTTGCAGAGGAATGGGTGTGGAGCCAGGCCATGCCATCCTC
 GCCCTGGATAAGAAGCCTGAGCCCATCAGCTCTGGGAGAGCCTCTCGCTCTGTCCGACGCCAGGCGCA
 GGACACGTCCTTCTATCTCAGACTCTTCTGAGTCAAGGAGGCTCCTCACTGAGGCTGTGCAACGTGAGG
 TGACAGCGGTGAGCGAGTTATATTTTCAAGATCCAAGAAGCTGATGCGTCTGTACAGTGCCTCCGCAAC
 CCGAAACAAGCTATTGTCATGATAAATAACGCACAGGCATGGTTACGTAACCTTTTCTAACACGAAAAGT
 CACCCCTCCCCCCCCCCCCAGTTTCTTGTGTTTACTGCCCTTAATATTGTTTGGTTGAATTTGTTTCAGTA
 GACGCTTGTCTGTGCAAAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAAATAA

Restriction Sites: Ascl-NotI
ACCN: BC051968
Insert Size: 2460 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:	<ol style="list-style-type: none">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:	BC051968 , AAH51968
RefSeq Size:	3144 bp
RefSeq ORF:	2460 bp
Locus ID:	54003
Cytogenetics:	15 E3
Gene Summary:	Required for neuron survival through the modulation of MAPK pathways (By similarity). Involved in the regulation of hypothalamic GNRH secretion and the control of puberty (By similarity).[UniProtKB/Swiss-Prot Function]