

Product datasheet for **RN201412**

Nell2 (NM_031070) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nell2 (NM_031070) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nell2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN201412 representing NM_031070
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCACGCCATGGAATCCCGGGTATTACTGAGAACGTTCTGCGTGATCCTCGGGCTCGAAGCGGTTTGGG
 GACTTGGTGTGGACCCCTCCCTACAGATTGACGCTTATCAGAGTTAGAAGTTGGGGAGTCCACAGCTGG
 AGTGCGCCAAGTCCCAGGACTGCATAATGGGACGAAAGCCTTCTCTTCCAAGATTCTCCAGAAGCATA
 AAAGCACCCATTGCTACAGCTGAGCGGTTTTTCCAGAAGCTGAGGAATAAACACGAGTTCACAATTCTGG
 TGACCCTGAAACAGATCCACTTAAATTCGGGAGTCATTCTCTCCATCCACCCTGGATCACAGGTACCT
 GGAAGTGGAAAGCAGCGGCCACCGGAATGAGATCAGACTGCATTACCGCTCTGGAAGTACCGCCCGCAC
 ACGGAAGTGTTCCTTACATTTTGGCTGATGCCAAGTGGCACAAGCTCTCCTTAGCCTTCAGTGCCTCCC
 ACTTAATTTTACACATCGACTGCAACAAGATCTATGAACGAGTGGTGGAAATGCCTTCTACAGACTTGCC
 TCTGGGCACCACATTTTGGTTGGGACAGAGAAATAACGCACACGGGTATTTTAAGGAATAATGCAAGAT
 GTGCAATTAAGTGTGCATGCCCGAGGGTTCATCGCTCAGTGCCTGGATCTTAATCGAACCTGTCCAACAT
 GCAACGACTTCCATGGGCTTGTGCAGAAAATCATGGAGCTGCAGGACATTTTATCGAAGACGTGACGCCAA
 GTTGTCTAGAGCTGAACAACGAATGAACAGGCTGGATCAGTGCTACTGTGAGCGGACGTGCACCATGAAG
 GGAACCACCTACCGGGAGTTCGAGTCTGGACAGACGGCTGCAAGAACTGCACATGCTTGAATGGGACCA
 TCCAGTGCAGACTCTGGTCTGCCCTGCTCCCGACTGCCCGGCTAAATCGGCTCCAGCGTACGTGGATGG
 CAAGTGTGTGAAGAGTGAAGTCCACCTGCCAGTTCAGGGGCGGAGCTACTTTGAGGGAGAAAGGAGC
 ACAGTCTCTCAGCTTCCGGAATGTGCGTCTTGTATGAATGCAAGGATCAGACCATGAAGCTTGTGAGA
 ACGCCGGCTGCCCGGCTTAGATTGCCCGAGTCTCATCAGATCGCCTTGTCTCAGACTGCTCAAGGT
 TTGCAAAGGTTATGACTTCTGTTCTGAGAAGCATACATGCATGGAGAAGTCAAGTCTGCAGGAACCTGAAC
 GACAGGGCAGTGTGCAGCTGCCGGGATGGTTTCCGGGCCCTCCGGGAGGACAATGCCTACTGTGAAGACA
 TTGACGAGTGTGCAGAGGGGCGCCATTACTGCCGTGAGAACACCATGTGTGTGAACACACCGGGCTCTTT
 CCTGTGTATCTGCCAAACAGGGTACATCAGAATCGACGATTACTCGTGTACGGAACATGACGAGTGCCTC
 ACAAAACAGCACAAATGTGACGAGAACGCTTTGTGCTTTAACACCGTTGGAGGTCACAACGCGTCTGCA
 AGCCTGGTACACTGGGAATGGAACCACGTGCAAAGCTTCTGCAAAGACGGCTGCAGAAACGGAGGTGC
 CTGCATTGCTGCCAATGTCTGTGCTTGCCACAAGGCTTACCGGACCCAGCTGTGAGACAGACATTGAT
 GAGTGTCTGAGGGCTTTGTTTCAAGTGTGACAGCCGTGCCAACTGCATTAACCTGCCTGGGTGGTACCACT
 GTGAGTGCAGAGATGGCTACCATGACAATGGGATGTTTGACACAGGTGGAGAATCCTGTGAAGATATTGA
 TGAATGTGGGACTGGGAGGCACAGCTGTGCCAATGACACCATTTGCTTCAACTTGGACGGTGGCTACGAT
 TGCCGGTGTCCCATGGAAAGAACTGCACAGGGGACTGCGTGCACGACGGGAAAGTCAAACACAACGGCC
 AGATCTGGGTGCTGGAGAACGACAGGTGCTCTGTGTGTTCTGCCAGACTGGATTTGTTATGTGTGACG
 GATGGTCTGTGACTGCGAAAACCCACAGTTGACCTCTCCTGCTGCCCTGAGTGCACCCAAAGGCTGAGC
 AGCCAGTGCCTGCATCAAACCGGGAAACCGTGTACAACAGCGGTGACACCTGGGTCCAGGATTGCCGTC
 AGTGCCGCTGCTTGAAGGAGAAGTTGACTGCTGGCCCTGGCTTGCCAGAGGTAGAGTGTGAATTTAG
 TGTCTTCTGAGAACGAGTGTGCCACGCTGTGTACCGATCCTTGTGAGGCTGACACCATCCGCAAT
 GACATACCAAACCTGCCTGGACGAGATGAACGTGGTTTCGCTTCACTGGGTCTTCTGGATCAAGCACG
 GCACAGAGTGCACCTCTGCCAGTGAAGAACGGCCACGTGTGCTGCTCAGTGGACCCACAGTGCCTCCA
 GGAGCTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_031070
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:	NM_031070.2 , NP_112332.2
RefSeq Size:	3196 bp
RefSeq ORF:	2460 bp
Locus ID:	81734
Cytogenetics:	7q35
Gene Summary:	homotrimeric glycoprotein that is involved in the growth and differentiation of neural cells [RGD, Feb 2006]