

Product datasheet for **RN206967**

Nell1 (NM_031069) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nell1 (NM_031069) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Nell1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN206967 representing NM_031069
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCGATGGATGTGATTTTAGTTTTGTGGTTCTGTGTATGCACCGCCAGGACAGTGTGGGCTTTGGGA
 TGGACCTTGACCTTCAGCTGGACATCATCTCAGAGCTCGACCTGGTGAACACCACCTGGGAGTCACGCA
 GGTGGCTGGACTGCACAACGCCAGTAAAGCATTCTATTTCAAGATGTACAGAGAGAGATCCATTCGGCC
 CCTCACGTGAGTGAGAAGCTGATCCAGCTATCCGGAATAAGAGCGAGTTCACCTTTTTGGCTACAGTGC
 AGCAGAAACCATCCACCTCAGGGGTGACTGTCCATCCGGGAGCTGGAGCACAGCTATTTGAACTGGA
 GAGCAGTGGCCAAAGAGAAGAGATACGCTACCATTACATACATGGTGGAAAGCCAGGACTGAGGCCCTT
 CCCTACCGCATGGCAGACGGACAATGGCACAAGGTCGCGTGTGAGTGAGCGCTCTCACCTCTGCTCC
 ACATCGACTGCAATAGGATTTACGAGCGTGTGATAGACCCTCCGGAGACCAACCTTCTCCAGGAAGCAA
 TCTGTGGCTTGGCAACGTAACCAAAGCATGGCTTTTTCAAAGGAATCATCCAAGATGGTAAGATCATC
 TTCATGCCGAATGGTTTCATCACACAGTGTCCCAACCTCAATCGACTTGCCCAACATGCAGTGACTTCC
 TGAGCCTGGTTCAAGGAATAATGGATTTGCAAGAGCTTTTGCCCAAGATGACTGCAAAAATGAATTATGC
 AGAGACGAGACTTGGTCAACTGGAAAATTGCCACTGTGAGAAGACCTGCCAAGTGAAGTGGGCTGCTTAC
 AGGGACCAAGACTCCTGGGTGGATGGTGACAACGTGGGAACTGCACGTGCAAAAAGTGGTGCCGTGGAGT
 GCCGCAGGATGTCTGTCCCGGCTCAACTGTTCCCGGACTCACTTCTGTGCACATTTCCGGCCAGTG
 TTGTAAGTTTGACAGACCAAAAATGTATCTATGGAGGAAAAGTTCTTGCTGAGGGCCAGCGGATTTAACC
 AAGACCTGCCGGGAATGTCGAGGTGGAGTCTTGGTAAAAATCACAGAAGCTTGCCTCCTTTGAAGTGT
 CAGCAAAGGATCATATTCTCCAGAGAATCAGTGTGCAGGGTCTGCCAGGTCATAACTTCTGTGCAGA
 AGCACCTAAGTGCAGGAGAAAACCTCGAATGCAAAAATTGGAATACAAAAGCAACCTGTGAGTGCAAGAAT
 GGATACATCTCTGTCCAGGGCAACTCTGCATACTGTGAAGATATTGATGAGTGTGCAGCTAAAATGCACT
 ATTGTCATGCCAACACCGTGTGTGCAACTTGCCGGGGTTGTATCGCTGTGACTGCGTCCAGGGTACAT
 CCGTGTGGATGACTTCTTGTACGGAGCATGATGATTGTGGCAGCGGACAACACAACCTGCGACAAAAAT
 GCCATCTGTACCAACACAGTCCAGGGACACAGCTGCACCTGCCAGCCGGTTACGTGGGAAATGGCACCA
 TCTGCAAAGCATTCTGTGAAGAGGGTGCAGATACGGAGGTACCTGTGTGGCTCCTAACAAAGTGTGTCTG
 TCCTTCTGGATTCACGGGAAGCCACTGTGAGAAAGATATTGATGAATGCGCAGAGGGATTGTTGAATGC
 CACAACACTCCCGCTGTGTTAACCTGCCAGGGTGGTACCCTGTGAGTGCAGAAGCGGTTCCATGACG
 ATGGGACCTACTCACTGTCCGGGAGTCCCTGCATTGATATCGATGAATGTGCCTTAAGAAGTACACTTG
 TTGGAATGACTCTGCCTGCATCAACTTAGCAGGAGGATTTGACTGCCTGTGTCCCTCTGGGCCCTCTGC
 TCTGGTACTGTCCACGAAGGAGGGCTGAAGCATAATGGGCAGGTGTGGATTCTGAGAGAAGACAGGT
 GTTCAGTCTGTTCTGCAAGGATGGGAAGATATTCTGCCGGCGGACAGCTTGTGATTGCCAGAATCCAAA
 TGTTGACCTTTTTGTGCCAGAGTGCATACCAAGGTACCAGCCAATGTTTAGATCAAAGTGGACAG
 AAGCTCTATCGAAGTGGAGACAACCTGGACCCACAGCTGCCAGCAGTCCCGATGTCTGGAAGGAGAGGCAG
 ACTGCTGGCCTCTGGCTTGCCCTAGTTTGGGCTGTGAATACACAGCCATGTTTGAAGGGGAGTGTGTCC
 CCGATGTGTCAGTGACCCCTGCCTGGTGGTAATTGCCTATGACATCAGAAAAACTTGCCCTGGACAGC
 TTTGGTGTTCGAGGCTGAGCGGAGCCGTGTGGACAATGGCTGGATCTCCTTGTACAACCTGCAAATGCA
 AGAATGGGAGAGTCTGCTGCTGTGGATCTGGAGTATTGAGAATAACT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_031069
Insert Size: 2433 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_031069.1 , NP_112331.1
RefSeq Size:	2915 bp
RefSeq ORF:	2433 bp
Locus ID:	81733
UniProt ID:	Q62919
Cytogenetics:	1q22
Gene Summary:	interacts with and phosphorylated by protein kinase C beta1 (PKCbeta1) and is involved in modulation of osteoblast differentiation; overexpression of human homolog is associated with craniosynostosis [RGD, Feb 2006]