

Product datasheet for **MC221787**

Nell1 (NM_001037906) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nell1 (NM_001037906) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Nell1
Synonyms:	B230343H07Rik; I7R6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221787 representing NM_001037906
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCGATGGATGTGATTTTAGTTTTGTGGTTCTGTGTGTGCACCGCCAGGACAGTGCTGGGCTTTGGGA
 TGGACCCGTGACCTTCAGATGGACATCATCACTGAACTTGACCTTGTGAACACCACCTGGGGCTCACTCA
 GGTGGCTGGACTACACAATGCCAGTAAGGCATTTCTGTTTCAAGATGTACAGAGAGAGATCCACTCAGCC
 CCTCATGTGAGTGAGAAGCTGATCCAGCTATCCGGAATAAGAGTGAGTTTACCTTTTTGGCTACAGTGC
 AGCAGAAGCCGTCCACCTCAGGGGTGACTGTGCGATCCGGGAGCTGGAACACAGCTATTTTGAAGTGA
 GAGCAGTGGCCCAAGAGAAGAGATACGCTATCATTACATCCATGGCGGCAAGCCAGGACTGAGGCCCTT
 CCCTACCGCATGGCCGATGGACAGTGGCACAAGGTCGCGTGTCTGTGAGCGCTCTCACCTCTACTCC
 ATGTCGACTGCAATAGGATTTATGAGCGTGTGATAGATCCTCCGGAGACCAACCTTCTCCAGGAAGCAA
 TCTATGGCTTGGCAACGTAATCAAAGCATGGCTTTTTCAAAGGAATCATCCAAGATGGCAAGATCATC
 TTCATGCCGAACGGCTTCATCACACAGTCCCCAACCTAAATCGCACTTGCCCAACATGCAGTGATTTC
 TGAGCCTGGTTCAAGGAATAATGGATTTGCAAGAGCTTTTGCCCAAGATGACTGCAAAAATGAATTATGC
 AGAGACGAGACTTGGTCAACTGGAAAATGGCCACTGTGAGAAGACCTGCCAAGTGAAGTGGGCTGCTCTAC
 AGGGACCAAGACTCCTGGGTAGATGGTGACAACGCAGGAAGTGCACATGCAAAAGTGGTGTGGAGT
 GCCGAAGGATGTCTGTCCCCACTCAACTGTTCCCCAGACTCACTTCTGTGCATATTTCTGGCCAATG
 TTGTAAGTTTGACAGACCAAAAATGTATCTATGGAGGAAAAGTTCTTGCTGAGGGCCAGCGGATTTAACC
 AAGACCTGCCGGGAATGTCGAGGTGGAGTCTTGGTAAAAATCACAGAAGCTTGCCTCCTTTGACTGCT
 CAGAGAAGGATCATATTTCCGGAGAACCAAGTGCAGGGTCTGCCGAGGTCATAACTTCTGTGCAGA
 AGCACCTAAGTGTGGAGAAAACCTCGAATGCAAAAATGGAAATACAAAAGCGACTTGTGAGTCAAGAAT
 GGATACATCTCTGTCCAGGGCAACTCTGCATACTGTGAAGATATCGATGAGTGTGCAGAAAAGTCACT
 ACTGTCATGCCAACACGGTGTGTGCAACTTGCCGGGGTTATATCGCTGTGACTGCATCCAGGATACAT
 CCGTGTGGATGACTTCTTGTACGGAGCATGATGATTGTGGCAGCGGACAACCAACTGTGACAAAAAT
 GCCATCTGTACCAACACAGTCCAGGGACACAGCTGTACCTGCCAGCCAGGCTACGTGGGAAATGGTACTG
 TCTGCAAAGCATTCTGTGAAGAGGGTGCAGATACGGAGTACCTGTGTGGCCCCAACAATGTGTCTG
 TCCTTCTGGATTCACAGGAAGCCACTGTGAGAAAGATATTGATGAATGTGCAGAGGGATTCTGTGAGTGC
 CACAACCACTCCCGCTGCGTTAACCTTCCAGGGTGGTACCCTGTGAGTGCAGAAGCGGTTCCATGACG
 ATGGGACCTATTCACTGTCCGGGGAGTCCCTGCATTGATATTGATGAATGTGCCTTAAGAAGTCACTTGT
 TTGAAATGACTCTGCCTGCATCAACTTAGCAGGAGGATTTGACTGCCTGTGTCCCTCTGGGCCCTCTGC
 TCTGGTGAAGTGTCCACGAAGGGGGGCTGAAGCATAATGGGCAGGTGTGGATTCTGAGAGAAGACAGGT
 GTTCAGTCTGTTCTGTAAAGATGGGAAGATATTCTGCCGGCGGACAGCTTGTGATTGCCAGAATCCAAA
 TGTTGACCTTTTCTGTGCCAGAGTGTGACACCAGGGTCACTAGCCAATGTTTAGATCAAAGCGGACAG
 AAGCTCTATCGAAGTGGAGACAACCTGGACCCACAGCTGCCAGCAGTCCGATGTCTGGAAGGAGAGGCAG
 ACTGCTGGCCTTAGCTTGCCTAGTTTGTGAGCTGTGAATACACAGCCATCTTTGAAGGAGAGTGTGTCC
 CCGTGTGTGAGTACCCCTGCCTGGCTGATAAATTGCCTATGACATCAGAAAAACTTGCCTGGACAGC
 TCTGGTATTTTCGAGGCTGAGCGGCGCAGTGTGGACAATGGCTGGATCTCCCTGTACAACCTGTCAATGCA
 AGAATGGGAGAGTCTGCTGCTGTGGATCTGGTGTGCTTGTGAGAATAACT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001037906
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:	<u>NM_001037906.2</u> , <u>NP_001032995.1</u>
RefSeq Size:	2812 bp
RefSeq ORF:	2433 bp
Locus ID:	338352
UniProt ID:	<u>Q2VWQ2</u>
Cytogenetics:	7 B4
Gene Summary:	Plays a role in the control of cell growth and differentiation. Promotes osteoblast cell differentiation and terminal mineralization.[UniProtKB/Swiss-Prot Function]