

Product datasheet for **RR201412**

Nell2 (NM_031070) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide
Sequence:

>RR201412 representing NM_031070
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCACGCCATGGAATCCCGGGTATTACTGAGAACGTTCTGCGTGATCCTCGGGCTCGAAGCGGTTTGGG
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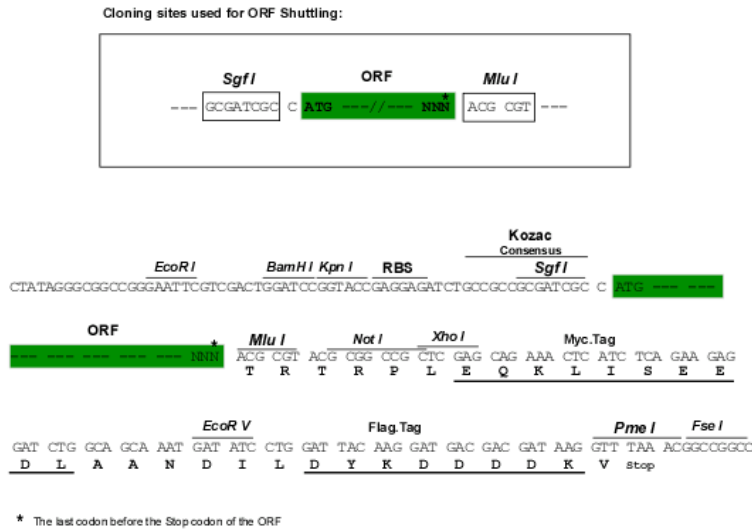
Protein Sequence: >RR201412 representing NM_031070
 Red=Cloning site Green=Tags(s)

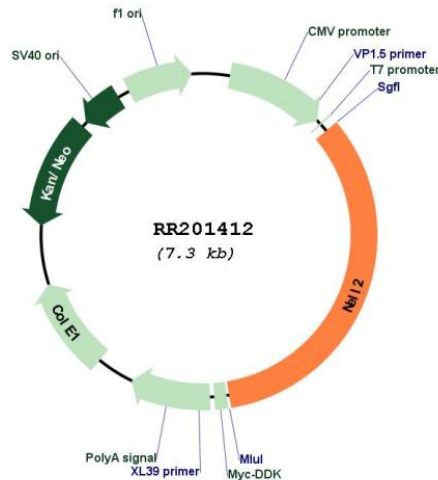
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 TNQHNCDENALCFNTVGGHNCVCKPGYTGNGTTCKAFCKDGCRRNGGACIAANVCACPPQGTGSPCETDID
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 CRCPHGKNTGDCVHDGKVKHNGQIWLLENDRCVCSQQTGFVMCRMVDCENPTVDLSCCPECDPRLS
 SQCLHQNGETVYNSGDTWVQDCRQCRLQGEVDCWPLACPEVECEF SVLPENECCPRCVTDPCQADTIRN
 DITKTCLDEMNVVRF TGSSWIKHGTECTLQCKNGHVCCSVDPPQLQELGA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_031070

ORF Size: 2457 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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

MW: 91.3 kDa

Gene Summary: homotrimeric glycoprotein that is involved in the growth and differentiation of neural cells [RGD, Feb 2006]