

Product datasheet for **RC210244**

NELL1 (NM_006157) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NELL1 (NM_006157) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NELL1
Synonyms:	IDH3GL; NRP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC210244 representing NM_006157
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCGATGGATTGATTTTAGTTGTGTGTTCTGTGTGTGCACTGCCAGGACAGTGGTGGCTTTGGGA
 TGGACCTTGACCTTCAGATGGATATCGTCACCGAGCTTGACCTTGTGAACACCACCTTGGAGTTGCTCA
 GGTGTCTGGAATGCACAATGCCAGCAAAGCATTATTTATTTCAAGACATAGAAAGAGAGATCCATGCAGCT
 CCTCATGTGAGTGAGAAATTAATTCAGCTGTTCCGGAACAAGAGTGAATTCACCATTTTGGCCACTGTAC
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 GAGCAGTGGCCTGAGGGATGAGATTCCGGTATCACTACATACACAATGGGAAGCCAAGGACAGAGGCCTT
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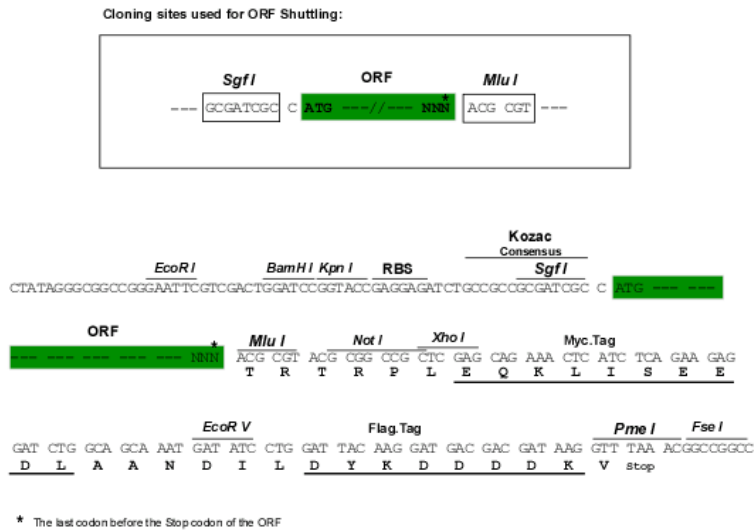
Protein Sequence: >RC210244 representing NM_006157
 Red=Cloning site Green=Tags(s)

MPMDLILVVWFCVCTARTVVVFGMDPDLQMDIVTELDLVNTTLGVAQVSGMHNASKAFLFQDIEREIHAA
 PHVSEKLIQLFRNKSEFTILATVQQKPSTSGVILSIRELEHSYFELESSGLRDEIRYHYIHNGKPRTEAL
 PYRMADGQWHKVALSVSASHLLLVDCNRIYERVIDPPDTNLPPGINLWLGQRNQKHGLFKGIIQDGKII
 FMPNGYITQCPNLNHTCPTCSDFLSLVQGIMDLQELLAKMTAKLNYAETRLSQLENCHCEKTCQVSGLLY
 RDQDSWVDGDHCRNCTCKSGAVECRRMSCPPLNCSPLPVHIAQCCCKVCRPKCIYGGKVLAEGRILT
 KSCRECRGGVLVKITEMCPPLNCSEKDHLIPENQCCRVCRGHNFAEGPKCGENSECKNWNTKATCECKS
 GYISVQGD SAYCEDIDECAAKMHYCHANTVCVNL PGLYRDCVPGYIRVDDF SCTEHDEC GSGQHNC DEN
 AICTNTVQGH SCTCKPGYVNGTICRAFCEEGCRYGGTCVAPNKCVCPSGFTGSHCEKDIDECSEGIIEC
 HNHSRCVNLPGWYHCECRSGFHDDGTYSLSGESCIDIDECALRTHTCWNDSACINLAGGFDC LCPSPGSC
 SGDCPHEGGLKHNGQVWTLKEDRCSVCCKDGKIFCRRTACDCQNP SADLFCCECDTRVTSQCLDQNGH
 KLYRSGDNWTHSCQQCRCLEGEVDCWPLTCPNL SCEYTAILEGECPCRCVSDPCLADNITYDIRKTCLDS
 YGVSRLSGSVWTMAGSPCTTCKCKNGRVCCSVDFECLQNN

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_006157

ORF Size: 2430 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_006157.5](#)

RefSeq Size: 3255 bp

RefSeq ORF: 2433 bp

Locus ID: 4745

UniProt ID: [Q92832](#)

Cytogenetics: 11p15.1

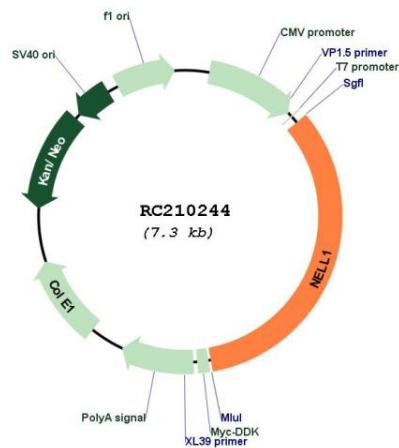
Domains: VWC, LamG, EGF_CA, TSPN, TILa, EGF, EGF, VWC_out

Protein Families: Secreted Protein

MW: 89.6 kDa

Gene Summary: This gene encodes a cytoplasmic protein that contains epidermal growth factor (EGF)-like repeats. The encoded heterotrimeric protein may be involved in cell growth regulation and differentiation. A similar protein in rodents is involved in craniosynostosis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2013]

Product images:



Circular map for RC210244