

Product datasheet for **RG239659**

NELL1 (NM_001288713) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NELL1 (NM_001288713) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NELL1
Synonyms:	IDH3GL; NRP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>RG239659 representing NM_001288713.
Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGCCGATGGATTTGATTTTAGTTGTGTGGTCTGTGTGACTGCCAGGACAGCAGAAGATATGAAG
CCACCCGTGTTATCGCTGATATGGAGAAGTCTGAGTTCTGAAGTCTCTGCTCAGCAATCCCTTCAGGGA
GTGGTGGGCTTTGGGATGGACCCTGACCTTCAGATGGATATCGTACCGAGCTTGACCTTGGAACACC
ACCCTTGAGTTGCTCAGGTGTCTGGAATGCACAATGCCAGCAAAGCATTTTTATTCAAGACATAGAA
AGAGAGATCCATGCAGCTCCTCATGTGAGTGAGAAATTAATTCAGCTGTTCCGGAACAAGAGTGAATTC
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ACTTGCCCAACCTGCAGTGATTTCTTAAGCCTGGTGAAGGAATATGGATTTACAAAGAGCTTTTGCC
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CTTACAGAAATGTGCTCCTTTGAAGTGTCTCAGAAAAGGATCACATTCTCTGAGAATCAGTGTGCTGC
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GAAGATATTGATGAGTGTGCAGTAAGATGCATTACTGTCATGCCAATACTGTGTGTGCAACCTTCTT
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CTAGCTGATAACATCACCTATGACATCAGAAAAACTTGCTGGACAGCTATGGTGTTCACGGCTTAGT
GGCTCAGTGTGGACGATGGCTGGATCTCCTGCACAACCTGTAATGCAAGAATGAAGAGTCTGTTGT
TCTGTGGATTTTGAAGTGTCTTCAAATAAT
ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG239659
 Blue=ORF Red=Cloning site Green=Tag(s)

MPMDLILVVWFCVCTARTAEDMKPPVLSLIWRTRVLKSLQSLQGVVFGMDPDLQMDIVTELDLVNT
 TLGVAQVSGMHNASKAFLFQDIEREIHAAPHVSEKLIQLFRNKSEFTILATVQQKPSTSGVILSIRELE
 HSYFELESSGLRDEIRYHYIHNGKPRTEALPYRMADGQWHKVALSVSASHLLLHVDCNRIYERVIDPPD
 TNLPPGINLWLGQRNQKHGLFKGI IQDGK IIFMPNGYITQCPNLNHTCPTCSDFLSLVQGIMDLQELLA
 KMTAKLNYAETRLSLENCHCEKTCQVSGLLYRDQDSWVDGDHCRNCTCKSGAVECRRMSCPPLNCSPD
 SLPVHIAGQCCKVCRPKCIYGGKVLAEGRILTKSCRECRGGVLVKITEMCPPLNCSEKDHILPENQCC
 RYCRGHNFCAEGPKCGENSECKNWNTKATCECKSGYISVQGD SAYCEDIDECAAKMHYCHANTVCVNL P
 GLYRDCVPGYIRVDDFSCTEHDECGSQHNCDENAICTNTVQGHSC TCKPGYVNGTICRAFCEEGR
 YGGTCVAPNKCVCPSGFTGSHCEKDIDECSEGIIECHNHSRCVNLPGWYHCECRSGFHDDGTYSLSGES
 CIDIDECALRTHTCWNDSACINLAGGFDCLCPSGSPSCSGDCPHEGGLKHNGQVWTLKEDRCSVCCKDG
 KIFCRRTACDCQNPSADLFCPECDTRVTSQCLDQNGHKL YRSGDNWTHSCQQCRCLEGEVDCWPLTCP
 NLSCEYTAILEGECCPRCVSDPCLADNITYDIRKTC LDSYGVSR LSGSVWTMAGSPCTTCKCKNGRVCC
 SVDFECLQNN
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIIRS NATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKA IHP SILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



ACCN: NM_001288713

ORF Size: 2514 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).

RefSeq: [NM_001288713.1](#), [NP_001275642.1](#)

RefSeq Size: 3354 bp

RefSeq ORF: 2517 bp

Locus ID: 4745

UniProt ID: [Q92832](#)

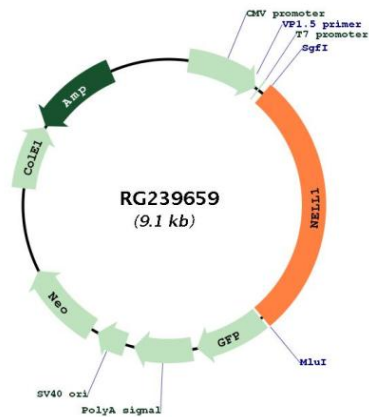
Cytogenetics: 11p15.1

Protein Families: Secreted Protein

MW: 93.3 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 RG239659