

Product datasheet for **RG239484**

NELL1 (NM_001288714) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NELL1 (NM_001288714) 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:

>RG239484 representing NM_001288714.
Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGCCGATGGATTTGATTTTAGTTGTGTGGTTCTGTGTGCTGACTGCCAGGACAGTGGTGGGCTTTGGG
ATGGACCCTGACCTTCAGATGGATATCGTCACCGAGCTTGACCTTGTGAACACCACCCTTGAGTTGCT
CAGGTGTCTGGAATGCACAATGCCAGCAAGCATTATTTTCAAGACATAGAAAAGAGAGATCCATGCA
GCTCCTCATGTGAGTGAGAAATTAATTCAGCTGTTCCGGAACAAGAGTGAATTCACCATTTTGGCCACT
GTACAGCAGAAGCCATCCACTTCAGGAGTGATACTGTCCATTTCGAGAAGTGGAGCACAGGATTTATGAG
CGTGTGATAGACCCTCCAGATACCAACCTTCCCCAGGAATCAATTTATGGCTTGGCCAGCGCAACCAA
AAGCATGGCTTATTCAAAGGGATCATCCAAGATGGGAAGATCATCTTTATGCCGAATGGATATAACA
CAGTGTCCAAATCTAAATCACACTTGCCCAACCTGCAGTGATTTCTTAAGCCTGGTGCAAGGAATAATG
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GAAAAGTGCATTGTGAGAAGACTTGTCAAGTGTGACTGCTCTATCGAGATCAAGACTCTTGGGTA
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CCTCTCAATTGCTCCCCAGACTCCCTCCAGTGCACATTGCTGGCCAGTGTGTAAAGTCTGCCGACCA
AAATGTATCTATGGAGGAAAAGTTCTTGCAGAAGGCCAGCGGATTTTAAACCAAGAGCTGTCCGGAATGC
CGAGGTGGAGTTTTAGTAAAAATACAGAAATGTGTCTCCTTTGAACTGCTCAGAAAAGGATCACATT
CTTCTGAGAATCAGTGTGCCGTGTGTAGAGGTCACTTTTGTGCAGAAGGACCTAAATGTGGT
GAAAAGTGCAGAGTCAAAAGTGAATACAAAAGCTACTTGTGAGTGAAGAGTGGTTACATCTCTGTG
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CGCTGTGTCAGTGACCCCTGCCTAGCTGATAACATCACCTATGACATCAGAAAACTTGCTGGACAGC
TATGGTGTTCACGGCTTAGTGGCTCAGTGTGGACGATGGCTGGATCTCCCTGCACAACCTGTAATGC
AAGAATGGAAGAGTCTGTTGTTCTGTGGATTTTGTGAGTGTCTTCAAATAAT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG239484
 Blue=ORF Red=Cloning site Green=Tag(s)

MPMDLILVWFCVCTARTVVGFGMDPLQMDIVTELDLVNTTLGVAQVSGMHNASKAFLFQDIEREIHA
 APHVSEKLIQLFRNKSEFTILATVQQKSTSGVILSIRELEHRIYERVIDPPDTNLPPGINLWLGQRNQ
 KHGLFKGIIQDGKIIIFMPNGYITQCPNLNHTCPTCSDFLSLVQGIMDLQELLAKMTAKLNYAETRLSQL
 ENCHCEKTCQVSGLLYRDQDSWVDGDHCRNCTCKSGAVECRRMSCPPLNCSPDSLPHVIAGQCCKVCRP
 KCIYGGKVLAEQQRILTKSCRECRGGVLVKITEMCPPLNCSEKDHILPENQCRCRGRHNFCAEGPKCG
 ENSECKNWNKATCECKSGYISVQGDSAYCEDIDECAAKMHYCHANTVCVNLPLGLYRDCVPGYIRVDD
 FSCTEHDECGSGQHNCDENAICTNTVQGHSTCKPGYVNGTICRAFCEEGRYGGTCVAPNKVCVPSG
 FTGSHCEKIDIDECSEGIIECHNHSRCVNLPGWYHCECRSGFHDDGTYSLSGESCIDIDECALRHTCWN
 DSACINLAGGFDCLCPSPSCSGDCPHEGGLKHNGQVWTLKEDRCSVCCKDGKIFCRRTACDCQNPSA
 DLFCCPECDTRVTSQCLDQNGHKL YRSGDNWTHSCQQCRCLGEVDCWPLTCPNL SCEYTAILEGECPC
 RCVSDPCLADNITYDIRKTCLDSYGVSRLSGSVWTMAGSPCTTCKCKNGRVCCSVDFECLQNN
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVFSFYRYEAGRYIGDFKVMGTGFPEP
 SVIFTDKIIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHP SILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



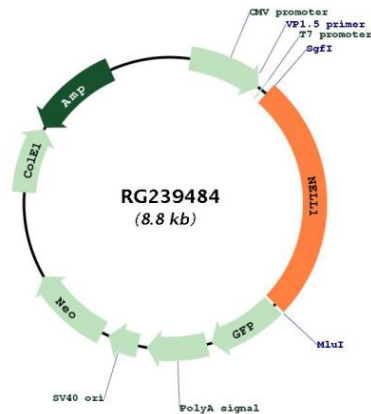
ACCN: NM_001288714

ORF Size: 2259 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_001288714.1 , NP_001275643.1
RefSeq Size:	3099 bp
RefSeq ORF:	2262 bp
Locus ID:	4745
UniProt ID:	Q92832
Cytogenetics:	11p15.1
Protein Families:	Secreted Protein
MW:	83.5 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 RG239484