

Product datasheet for **SC337378**

NELL1 (NM_001288714) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NELL1 (NM_001288714) Human Untagged Clone
Tag:	Tag Free
Symbol:	NELL1
Synonyms:	IDH3GL; NRP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001288714, the custom clone sequence may differ by one or more nucleotides

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ATGCCGATGGATTTGATTTTGTGTGTGGTCTGTGTGTGCACTGCCAGGACAGTGGTGGGCTTTGGGA
TGGACCCGTGACCTTCAGATGGATATCGTCACCGAGCTTGACCTTGTGAACACCACCCTTGGAGTTGCTCA
GGTGTCTGGAATGCACAATGCCAGCAAAGCATTATTTCAAGACATAGAAAGAGAGATCCATGCAGCT
CCTCATGTGAGTGAGAAATTAATTCAGCTGTTCCGGAACAAGAGTGAATTCACCATTTTGGCCACTGTAC
AGCAGAAGCCATCCACTTCAGGAGTGATACTGTCCATTGAGAACTGGAGCACAGGATTTATGAGCGTGT
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GGCTTATTCAAAGGGATCATCCAAGATGGGAAGATCATCTTTATGCCGAATGGATATATAACACAGTGTC
CAAATCTAAATCACACTTGCCCAACCTGCAGTGATTTCTTAAGCCTGGTGAAGGAATAATGGATTTACA
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CATTGTGAGAAGACTTGTCAAGTGAAGTGGACTGCTCTATCGAGATCAAGACTCTTGGGTAGATGGTGACC
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TCCTGGGTTATATCGCTGTGACTGTGTCCAGGATACATTCGTGTGGATGACTTCTTTGTACAGAACAC
GATGAATGTGGCAGCGGCCAGCACAACTGTGATGAGAATGCCATCTGCACCAACTGTCCAGGGACACA
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TATTGACATTGATGAATGTGCCTTAAGAACTCACACCTGTTGGAACGATTCTGCCTGCATCAACCTGGCA
GGGGGCTTTGACTGTCTGCCCCCTCTGGGCCCTCCTGCTCTGGTACTGTCTCATGAAGGGGGCTGA
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ACCAGAGTCACAAGTCAATGTTTAGACCAAAATGGTCACAAGCTGTATCGAAGTGGAGACAATTGGACCC
ATAGCTGTGAGCAGTGTGCGTGTCTGGAAGGAGAGGTAGATTGCTGGCCACTCACTTGCCCAACTTGAG
CTGTGAGTATACAGCTATCTTAGAAGGGGAATGTTGTCCCGCTGTGTCAGTGACCCCTGCCTAGCTGAT
AACATCACCTATGACATCAGAAAACTTGCTGGACAGCTATGGTGTTCACGGCTTAGTGGCTCAGTGT
GGACGATGGCTGGATCTCCCTGCACAACCTGTAATGCAAGAATGGAAGAGTCTGTTGTTCTGTGGATT
TGAGTGTCTTCAAATAATGA
    
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Restriction Sites: SgfI-MluI

ACCN: NM_001288714

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:

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_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

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]
Transcript Variant: This variant (4) lacks an in-frame exon in the central coding region, compared to variant 1. The encoded isoform (4) is shorter, compared to isoform 1.