

Product datasheet for **SC116279**

NELL1 (NM_006157) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NELL1 (NM_006157) Human Untagged Clone
Tag:	Tag Free
Symbol:	NELL1
Synonyms:	IDH3GL; NRP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_006157, the custom clone sequence may differ by one or more nucleotides

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ATGCCGATGGATTTGATTTTGTGTGGTCTGTGTGTCAGTCCAGGACAGTGGTGGGCTTTGGGA
TGGACCCGTGACCTTCAGATGGATATCGTCACCGAGCTTGACCTTGTGAACACCACCCTTGGAGTTGCTCA
GGTGTCTGGAATGCACAATGCCAGCAAAGCATTATTTCAAGACATAGAAAAGAGAGATCCATGCAGCT
CCTCATGTGAGTGAGAAATTAATTCAGCTGTCCGGAACAAGAGTGAATTCACCATTTTGCCACTGTAC
AGCAGAAGCCATCCACTTCAGGAGTGATACTGTCCATTGAGAACTGGAGCACAGCTATTTGAACTGGA
GAGCAGTGGCCTGAGGGATGAGATTCGGTATCACTACATACACAATGGGAAGCCAAGGACAGAGGCACTT
CCTTACCGCATGGCAGATGGACAATGGCACAAGGTTGCACTGTCAAGTTCAGCCTCTCATCTCCTGCTCC
ATGTGCACTGTAAACAGGATTTATGAGCGTGTGATAGACCCTCCAGATACCAACCTTCCCCAGGAATCAA
TTTATGGCTTGGCCAGCGCAACCAAAAGCATGGCTTATTCAAAGGGATCATCCAAGATGGGAAGATCATC
TTTATGCCGAATGGATATATAACACAGTGTCCAAATCTAAATCACACTTGCCCAACCTGCAGTGATTCT
TAAGCCTGGTGAAGGAATAATGGATTTACAAGAGCTTTTGGCCAAGATGACTGCAAAACTAAATATGC
AGAGACAAGACTTAGTCAATTGGAAGAACTGTCATTGTGAGAAGACTTGTCAAGTGAAGTGGACTGCTCAT
CGAGATCAAGACTCTTGGGTAGATGGTGACCATTGCAGGAACTGCACTTGCAAAAGTGGTGGCCTGGAAT
GCCGAAGGATGTCCTGTCCCCCTCTCAATTGCTCCCCAGACTCCCTCCCAGTGCACATTGCTGGCCAGTG
CTGTAAGTCTGCGGACCAAAAATGTATCTATGGAGGAAAAGTTCTTGCAGAAGGCCAGCGGATTTAACC
AAGAGCTGTGCGGAATGCCGAGGTGGAGTTTGTAGTAAAATTACAGAAATGTGTCCTCTTTGAACTGCT
CAGAAAAGGATCACATTTCTTCTGAGAAATCAGTGTGCGGTGTCTGTAGAGGTATAACTTTTGTGCAGA
AGGACCTAAATGTGGTGAAGAACTCAGAGTGCAGAACTGGAATACAAAAGCTACTTGTGAGTGAAGAGT
GGTTACATCTCTGTCCAGGGAGACTCTGCCTACTGTGAAGATATTGATGAGTGTGCAGCTAAGATGCATT
ACTGTGATGCCAATACTGTGTGTGTCACACCTTCCCTGGGTTATATCGCTGTGACTGTGTCCAGGATACAT
TCGTGTGGATGACTTCTTGTACAGAACACGATGAATGTGGCAGCGGCCAGCACAACTGTGATGAGAAT
GCCATCTGCACCAACTGTCCAGGGACACAGCTGCACCTGCAAACCGGGCTACGTGGGGAACGGGACCA
TCTGCAGAGCTTTCTGTGAAGAGGGCTGCAGATACGGTGGAACTGTGTGGCTCCCAACAAATGTGTCTG
TCCATCTGGATTCACAGGAAGCCACTGCGAGAAAGATATTGATGAATGTTAGAGGGAATCATTGAGTGC
CACAACTTCCCGCTGCGTTAACCTGCCAGGGTGGTACCCTGTGAGTGCAGAAGCGGTTTCCATGACG
ATGGGACCTATTCAGTGTCCGGGAGTCTGTATTGACATTGATGAATGTGCCTTAAAGAACTCACACCTG
TTGGAACGATTCTGCCTGCATCAACCTGGCAGGGGGCTTTGACTGTCTTGCCCTCTGGGCCCTCCTGC
TCTGGTACTGTCTCATGAAGGGGGCTGAAGCAACATGGCCAGGTGTGGACCTTGAAAGAAGACAGGT
GTTCTGTCTGCTCCTGCAAGGATGGCAAGATATTCTGCCGACGGACAGCTTGTGATTGCCAGAATCCAAG
TGCTGACCTATTCTGTTGCCAGAATGTGACACCAGAGTCACAAGTCAATGTTTAGACCAAAATGGTCAC
AAGCTGTATCGAAGTGGAGACAATTGGACCCATAGCTGTGAGCAGTGTGGTGTCTGGAAGGAGAGGTAG
ATTGCTGGCCACTCACTTGCCCAACTTGAGCTGTGAGTATACAGCTATCTTAGAAGGGGAATGTTGTCC
CCGCTGTGTCAGTGACCCCTGCCTAGCTGATAACATCACCTATGACATCAGAAAACTTGCTGGACAGC
TATGGTGTTCACGGCTTAGTGGCTCAGTGTGGACGATGGCTGGATCTCCCTGCACAACCTGTAATGCA
AGAATGGAAGAGTCTGTTGTTCTGTGGATTTTGTGAGTGTCTTCAAATAATTGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_006157 unedited</p> <pre>TCAAATATTTGTATACGACTCACTATTAGGGCGGCCGCGATTTCGGCACGAGGCCAAGCCA GGCGCGCCTCAGGATCCAGGCTCATTGCTTCCACCTAGCTTCGGTGCCCCCTGTAGGC GGGGACCCTCGAGAGCGATGCCGATGGATTTGATTTAGTTGTGTGGTTCTGTGTGCA CTGCCAGGACAGTGGTGGGCTTTGGGATGGACCCTGACCTCAGATGGATATCGTCACCG AGCTTGACCTTGTGAACACCACCCTTGGAGTTGCTCAGGTGTCTGGAATGCACAATGCCA GCAAAGCATTTTTATTTCAAGACATAGAAGAGAGATCCATGCAGCTCCTCATGTGAGTG AGAAATTAATTCAGCTGTTCCGGAACAAGAGTGAATTCACATTTTGCCACTGTACAGC AGAAGCCATCTACTTCAGGAGTGATACTGTCCATTTCGAGAACTGGAGCACAGCTATTTTG AACTGGAGAGCAGTGGCCTGAGGGATGAGATTCGGTATCACTACATACACAATGGGAAGC CAAGGACAGAGGCACTTCTTACCGCATGGCAGATGGACAATGGCACAAGGTTGCACTGT CAGTTAGCGCCTCATCTCCTGCTCCATGTGACTGTAACAGGATTTATGAGCGTGTGA TAGACCCTCCAGATACCAACCTTCCCCAGGAATCAATTTATGGCTTGGCCAGCGCAACC AANAGCATGGCTTATTCAAAGGGGATCATCCAGATGGGAAGATCATCTTTATGCCGAATG GATATANTACACAGTGTCCAATCTAAATCACACTTGCCCAACCTGCAGTGANTTCTTTA GCCTGGTGCAGGNATATGGNATTACAGAGCTTTGGGCCAGAGACTGCANNACTAATATG CAGAGACAGACTTAGTCATTGAAACTGTCATGTGAGAGAA</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_006157 unedited</p> <pre>ACCGCGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTGGCTATGATTATAACTTT ATTAGTAACTAACTGGGATGCTTTATAAAGGATCAAGTACTACATAAATCTGACACAAG GTAATTTTGTCTTCAAAGCCAAGAAAAGCTTTAAACATTGCTGCTTCTAAATTGCAGGTT AAATTTTTGTATTTTTATTTTTATTTTTGCAAGAGAGACAAGAATTCCTTTAAAAT TATTTCTTGATTATGTTTTTGGCCCTTCCCCTCTTTGTCATACTTGGCTTCAGCCTGTTT AAGCTGAATGAGTAGGCATTTAAGAAGGTTCAGCACTATGAAATGTATGTATAATGCGAC TGGACTTACATACATATTTTCAAAAACATTTTACAGGGATCTCAGCACTAAGTATGC AGTAGATGGGACAAAAGTCACAACAGGCAACTTTATTTTAGAATTTGATCCATAAATCAA CAAAATAAATAAAAGGAGCTGAGTCTCTCTCTATTATGTTAGTACACAAAATAAACCAAA AAATACATCAACATTTACCATGAGATCATTAAATGTATTTGCAATGATCTGATAAGGG AAACATGATTTACAACACGGGAAACTTCTTTTAAACAACCATTGACTTAAATGCACGGCAC TGTAGGTACCTAGACTAGGTTAGCAAGAATGAGCAAAGTGGTAGGTCCAAAAGGCAACC TCCAAACACCGTCTCAGGTGGAACNNTTGCATTATCTGTGGTTAANANAACCAACANA CAAAAACCCAACCTACCGATTCTATCCTTATCACGTGGNATGGTCATTTTCGTCCATTCTC TGCGTTGAGTCCACTGTATACTTNNCATATTTTGAGACTCAAATCCAGAACACAGACT CTTCATTCTGCATTACAGGTGTGCAGGNAGA</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_006157
Insert Size:	3200 bp
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:	<ol style="list-style-type: none">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_006157.2 , NP_006148.1
RefSeq Size:	3270 bp
RefSeq ORF:	3270 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
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes isoform 1.</p>