

Product datasheet for **SC123222**

NXNL2 (NM_145283) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NXNL2 (NM_145283) Human Untagged Clone
Tag:	Tag Free
Symbol:	NXNL2
Synonyms:	C9orf121; RDCVF2; RdCVF2L
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_145283 edited GTGTGGGCGGGGCGCAGTTGGGGGAGGGTGACAGACCTGAGGGCTTGAGGTTGCCTGGC TGGCCCCGCTCCCAGAGCGGGTGCCGCGCTGTCGCCAGGTATCTGGGGTCTCTGGTGT CTGAGTGTCTCATTGTGCGCGCGAACACAATTGCTCCAGCCACAGGCGAGGCGCTGGCCAA GGTGTGGGCGCATCTAGGGCAGGTCTTGAGAGGTCCAGCGCCCGTGGTGCAGACAGAGG CGGGGACCGCGCGCTCGCGCGCGCTCCCGCAGGTGATCATCCTCTGCAGGTGTCC TCGGGTCTCAGGTGGTGTCTGCGCCATGGTTGACATTCTGGGCGAGCGGCACCTG GTGACCTGTAAGGGCGCGACGGTGGAGGCCGAGGCGCGCTGCAGAACAGGTGGTGCA CTGTACTTCGCGCGCGCCGGTGCAGCGCGAGCCGCGACTTCACGCCGCTGCTCTGCGAC TTCTATACGGCGCTGGTGGCCGAGGCGCGCGCGCCCGCGCCCTTCAAGTGGTCTTCGTG TCAGCCGACGGCAGCTGCCAGGAGATGCTGGACTTCATGCGCGAGCTGCATGGCGCCTGG CTGGCGCTGCCCTTCACGACCCCTACCGCAACGGAGTCTCGCTCTGTTGCCAGGCTG GAGTGCAGTGGCGTGATCTTAGCTCACTGCAACCTTTGCCTCCTGGGTTCAAGTGATTCT CTAGCCTTAGCCTCCTGAGCATCTGGGACTACAGCCATTGCTGTGAATTACGTGAGGGAA AGATATTGAAGAGGAGTTGGACACTCCGAGAGTGACAGTGTCTCCCCCGCACCATCCG TGTCTGCATTCTGCGAGTCTGTGCTCATTAAACAATGTGCTGTGACCATGTGACTCAGCA ATCCTGCTGTGGGTATATACCGGAAAGAAAGGAAAGGAAAGCCAGTATATTGAAGAGGT AAGTGTCCATCAACAGATGAATGGATAAAGAAAACGTGGTACATATACACAATGGAGTAC TCTTCAGCCATTAAAAAATGAGATTCTGTCAATTGCAATAATATAGATGGAAAAGGAGG CCCTTATGTGAAGTGAATAAGCCAGGCACAGAAAGACAAACATCACATGTTCTCACTTA TTTGTGGGATCTAATGATCAAAACAATTGAACTCTTGACATAGAGAGTAGAAGTTGGT TACCAGAAGCTGGAAAGGAAAGTGGGGTTGGGAGGAAGGTGGGAATGGTTAATAGGTACA AAAAAATACAAAGAATAAATAAGACCTAATTTTGATAGCACACAGTGTGACTACTGTC AATAATCATTTAATTGTACATTTAAAAATAACTATAATTGCATTGTTTGAACACAAAAG ATAAATGCTTGAGGAGAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_145283 unedited <pre> AAATCTGCATTTGTAAACGACTTATATAGGCGGCCGCATCAACTTCTATAGCATACATTA TACTAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTCGAGAGCGGGTGTGGG CGGGGCGCAGTTGGGGGAGGGTGACAGACCTGAGGGCTTGAGGTTGCCTGGCTGGCCCC GCTCCCAGAGGCGGGTGCCGCGCTGTCGCCCAGGTATCTGGGGTCTCTGGTGTCTGAGTG TCTCGTGTGTCGCGCGAACACAATTGCTCCAGCCACAGGCGAGGCCTGGCCAAGGTGTG GGCGCATCTAGGCGAGGTCTTGAGAGGTCCAGCGCCCGTGGTGCGGACAGAGGCGGGGC ACCGCGGCGCTCGCCGCGCCTCCCGCAGGTGATCATCCTCCTGCAGGTGTCCTCGGGT CTCAGGTGGCTGCGTGTCTGCGCCATGGTTGACATTCTGGGCGAGCGGCACCTGGTGACC TGTAAGGGCGCGACGGTGGAGGCCGAGGCGCGCTGCAGAACAGGTGGTGGCACTGTAC TTCGCGGCGGCCCGGTGCGCGCCGAGCCGCGACTTCACGCCGCTGCTCTGCGACTTCTAT ACGGCGCTGGTGGCCGAGGCGCGCGGCCCGGCCCTTCGAAAGTGGTCTTCGTGTACGCC GACGGCAGCTGCCAGGAGATGCTGGACTTCATGCGCGAGCTGCATGGCGCCTGGCTGGCG CTGCCCTTCCACGACCCCTACCGGCAACGGAGTCTCGTCTGTTGCCAGGCTGGAGTGC AGTGGCGTGATCTTAGCTCACTGCAACCTTTGCCTCCTGGGGTCAAGTGATTCTCTAGGC TTAGCCTCCTGAGCATCTGGGACTACAGCCATTGCTGTGGATTACTTGAGGGAAAGATAT TGAGAGGATTTGACACTCCGAG </pre>
Restriction Sites:	Please inquire
ACCN:	NM_145283
Insert Size:	1472 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:	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:	<u>NM_145283.1</u> , <u>NP_660326.1</u>
RefSeq Size:	1472 bp
RefSeq ORF:	408 bp
Locus ID:	158046
UniProt ID:	<u>Q5VZ03</u>
Cytogenetics:	9q22.1

Gene Summary:

May be involved in the maintenance of both the function and the viability of sensory neurons, including photoreceptors and olfactory neurons.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (2) has a distinct C-terminus and is shorter than isoform 1.

Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.