

## Product datasheet for **SC328982**

### Nexilin (NEXN) (NM\_001172309) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Nexilin (NEXN) (NM_001172309) Human Untagged Clone
Tag:	Tag Free
Symbol:	Nexilin
Synonyms:	CMH20; NELIN
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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<b>Fully Sequenced ORF:</b>	<p>&gt;NCBI ORF sequence for NM_001172309, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGAATGATATTTCCCAAAGGCTGAGATTAAGAAATGCTTGCTTCTGATGATGAGGAA GATGTATCTTCTAAAGTAGAAAAGGCTTATGTTCCAAAATTAACAGGAACTGTGAAGGTT AGATTTGCTGAAATGGAGAAAACAAGACAAGAGGAACAAAGGAAGAGAACGGAGGAGGAA CGAAAAACGCAGAATTGAGCAGGATATGTTAGAAAAGAGGAAAATACAGCGTGAATTAGCA AAAAGGGCTGAACAGATTGAGGACATAACAATACGGGAACTGAATCAGCATCAGAGGAA GGAGATGATTCACTACTTATAACTGTGGTACCTGTCAAATCATATAAACATCTGGAAAA ATGAAAAAGAATTTTGAGGATCTAGAAAAAGAAGTGAAGAGAAAAGGATCAAGTAC GAGGAAGATAAAAGAATAAGATATGAAGAAACAACGACCATCTCTCAAGGAAGCAAAGTGT CTTTCATTAGTTATGGATGATGAAATAGAAAGTGAAGCAAAAAAGAACTCACTTTCTCCC GGAAAATTGAACTAACTTTTGAAGAACTGGAGCGACAAAGACAAGAAAACCGAAAGAAG CAAGCTGAAGAGGAAGCAAGAAAACGTTTGAAGAAGAGAAGCGTCTTTTGAAGAAGCA AGGCGGCAAAATGGTAAATGAAGATGAGGAAAACCAAGACACAGCAAAAAATTTTAAAGGG TACCGCCCTGGTAAACTCAAACCTAGTTTGAAGAAATGGAAAGGCAAGAAAGAGAAGAT GAAAAAAGGAAAGCAGAAGAAGAAGCCAGAAGGAGAATAGAGGAAGAAAAGAAAGGCGTTT GCTGAAGCAAGGAGAAATATGGTAGTAGATGATGACTCCCAGAGATGTATAAGACAATC TCTCAAGAATTTCTTACACCGGGAAAACCTGGAATTAATTTTGAAGAATTATTAACAA AAAATGGAAGAAGAAAACGACGAAACAGAGGAGGAACGGAAGCATAAGCTAGAAATGGAG AAACAAGAATTTGAACAACCTGAGACAGGAAATGGGAGAGGAAGAGGAAGAAAATGAAACC TTTGGATTGAGCAGAGAATATGAAGAAGTCAAAATTAAGGAGTGGCTCTATTCAA GCTAAAAACCTAAAAAGCAAGTTTGAAGAAATTTGACAGTTGTCTGAAAAAGAAATACAG AAAAAATAGAAGAAGAGCGGCAAGAAGGAGAGCAATTGACCTTGAAATTAAGAGCGA GAAGCTGAAAATTTTTCATGAGGAAGATGATGTTGATGTTAGGCCTGCAAGAAAAGCGAG GCTCCATTTACTCACAAGTGAATATGAAGCTAGATTTGAACAATGGCTAAGGCAAGA GAAGAAGAAGAACAAAGAAGAAATGAAGAAACAAGTTACTACGCATGCAGTTTGAACAA AGGGAAATTTGATGCAGCACTACAAAAGAAAAGAGAAGAGGAGGAGGGAAGAAAGGTAGC ATCATGAATGGCTCCACTGCTGAAGATGAAGAGCAAAACAGATCAGGAGCTCCATGGTTC AAGAAGCCTCTTAAAAACACATCAGTTGTAGACAGTGAGCCAGTCAGATTTACGGTTAAA GTAACAGGAGAACCCAAACAGAAATTACATGGTGGTTTGAAGGAGAAATACTGCAGGAT GGAGAAGACTATCAATATATTGAAAGGGGAGAACTTACTGCCTTTACTTACCAGAACT TTCCAGAAAGATGGAGGAGAGTATATGTGTAAAGCAGTCAACAATAAAGGATCTGCAGCT AGTACCTGTATTCTTACCATTGAAAGTAAGAATTA </pre>
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_001172309
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001172309.1, NP_001165780.1</u>
<b>RefSeq Size:</b>	3213 bp
<b>RefSeq ORF:</b>	1836 bp
<b>Locus ID:</b>	91624
<b>UniProt ID:</b>	<u>Q0ZGT2</u>
<b>Cytogenetics:</b>	1p31.1
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	<p>This gene encodes a filamentous actin-binding protein that may function in cell adhesion and migration. Mutations in this gene have been associated with dilated cardiomyopathy, also known as CMD1CC. Alternatively spliced transcript variants have been described.[provided by RefSeq, Feb 2010]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.</p>