

## Product datasheet for **SC326187**

### SCNN1D (NM\_001130413) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SCNN1D (NM_001130413) Human Untagged Clone
Tag:	Tag Free
Symbol:	SCNN1D
Synonyms:	dNaCh; ENaCd; ENaCdelta; SCNED
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC326187 sequence for NM\_001130413 edited (data generated by NextGen Sequencing)

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ATGAGGGCAGTGTCTCACAGAAGACAACACCGCTCCCTCGTTACCTGTGGCCCGGCCACCTCAGCGGCC
CAAGGAGGCTCACCTGGTCATGGTGCAGTGACCACAGGACCCACATGCCGGGAGCTGGTTCGCCCCA
CCCCACCCCTGCACCGGCCAGCGAGGGGATGGCCAGAAGAGGGGGAGGACCATGTGGATTACCAAGT
GCTGGACATGTGCTCTGTGGCTACCCCTCTGCCTACTCTCTGGCCGATACAGGGGTGTGGGACAGGCC
TGGGTGACTCCAGCATGGCTTCTCTCCAGGACGTACCGGTGGCAGCTGCTTCTTCCAGAGCCGGCA
GGAGGCCAGAGGCTCCATCCTGCTTCCAGAGCTGCCAGCTGCCCCCGCAATGGCTGAGCACCAGGATGG
ACGGGAGAATGGAAGCAGCCACACGGGGGGCTCTCACCTCCAGATCGCCTGGGCTGTGGCTCCCCAGA
GGCCCTGCCACCTGAAGGGATGGCAGCACAGCCCACTCAGCACAACGCTGCCTGCAAACAGGGCCAGGC
TGCAGCCAGACGCCCCAGGCCGGGGCCACCATCAGCACCACCACCACCCAAGGAGGGGCCACCAG
GAGGGGCTGGTGGAGCTGCCCGCTCGTCCGGGAGCTGCTCACCTTCTTCTGCACCAATGCCACCATCC
ACGGCGCCATCCGCTGGTCTGCTCCCGGGGAACCGCCTCAAGACGACGTCTGGGGGCTGCTGTCCCT
GGGAGCCCTGGTCCGCTCTGCTGGCAGCTGGGGCTCCTTTGAGCGTCACTGGCACCGCCCGTCTCTC
ATGGCCGTCTCTGTGCACTCGGAGCGCAAGCTGCTCCCGTGGTACCCTGTGTGACGGGAACCCACGTC
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CAACGTCAACCTCAGCAAAGGCAGAGCCGCCCTCTCCGCCACTGTCCCCGCCACGAGCCCCCTTCCAC
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GCAACAGCACGGGCGGCGACTGCTTTTACCGAGGCTACACGTAGGCGTGGCGGTGTCCAGGACTGGTA
CCACTTCCACTATGTGGATACCTGGCCCTGCTGCCCGGCATGGGAGGACAGCCACGGGAGCCAGGAC
GGCCACTTCGTCCTCTCCTGCAGTTACGATGGCTGGACTGCCAGGCCGACAGTTCGGACCTTCCACC
ACCCACCTACGGCAGCTGTACACGGTCGATGGCGTCTGGACAGCTCAGCGCCCCGGCATCACCCACGG
AGTCGGCTGGTCTCAGGGTTGAGCAGCAGCCTCACCTCCCTCTGCTGTCCACGCTGGCCGGCATCAGG
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AGGCCACCATCAGCATCCGAGAGGACGAGGTGCACCGGCTCGGGAGCCCCACGGCCACTGCACCGCCGG
CGGGGAAGGCGTGGAGGTGGAGCTGCTACACAACCTCTACACCAGGCAGGCCCTGCTGGTGTCTGCTG
TTCCAGCAGCTGATGGTGGAGACCTGCTCCTGTGGCTACTACCTCACCTCTGCCGGCGGGGGCTGAGT
ACTGCAGCTCTGCCCGCACCTGCCTGGGGACACTGCTTCTACCGCTCTACCAGGACCTGGAGACCCA
CCGGCTCCCTGTACCTCCGCTGCCCGAGCCCTGCAGGGAGTCTGCATTCAAGCTCTCCACTGGGACC
TCCAGGTGGCCTCCGCCAAGTCAGCTGGATGGACTCTGGCCACGCTAGGTGAACAGGGGCTGCCGCATC
AGAGCCACAGACAGAGGAGCAGCCTGGCCAAAATCAACATCGTCTACCAGGAGCTCAACTACCGCTCAGT
GGAGGAGGCGCCCGTGTACTCGGTGCCGACGTGCTCTCGGCCATGGGCAGCCTCTGCAGCCTGTGGTTT
GGGGCTCCGCTCTCCCTCCTGGAGCTCCTGGAGCTGCTGCTCGATGCTTCTGCCCTCACCTGGTGC
TAGGGCGCCCGGCTCCGACGGCGTGGTTCTCCTGGCCAGAGCCAGCCCTGCCTCAGGGGCTCCAG
CATCAAGCCAGAGGCCAGTCAGATGCCCGCCCTGCAGGGCCACGTGAGATGACCCGGAGCCAGCGGG
CCTCATCTCCACGGGTGATGCTTCCAGGGTTCTGGCGGGAGTCTCAGCCGAAGAGAGCTGGGCTGGGC
CCCAGCCCCTTGAGACTCTGGACACCTGA
    
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Clone variation with respect to NM\_001130413.3

**Restriction Sites:** Please inquire  
**ACCN:** NM\_001130413

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	<p>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.</p>
<b>Components:</b>	<p>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).</p>
<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>	<p><a href="#">NM_001130413.1</a>, <a href="#">NP_001123885.1</a></p>
<b>RefSeq Size:</b>	<p>3063 bp</p>
<b>RefSeq ORF:</b>	<p>2409 bp</p>
<b>Locus ID:</b>	<p>6339</p>
<b>UniProt ID:</b>	<p><a href="#">P51172</a></p>
<b>Cytogenetics:</b>	<p>1p36.33</p>
<b>Protein Families:</b>	<p>Druggable Genome, Ion Channels: Other, Transmembrane</p>
<b>Gene Summary:</b>	<p>Sodium permeable non-voltage-sensitive ion channel inhibited by the diuretic amiloride. Mediates the electrodiffusion of the luminal sodium (and water, which follows osmotically) through the apical membrane of epithelial cells. Controls the reabsorption of sodium in kidney, colon, lung and sweat glands. Also plays a role in taste perception.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes a functional protein.</p>