

Product datasheet for **RG226101**

SCNN1D (NM_001130413) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCNN1D (NM_001130413) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SCNN1D
Synonyms:	dNaCh; ENaCd; ENaCdelta; SCNED
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG226101 representing NM_001130413
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGAGGGCAGTGTCTCACAGAAGACAACACCGCTCCCTCGTTACCTGTGGCCCGCCACCTCAGCGGCC
 CAAGGAGGCTCACCTGGTCATGGTGCAGTGACCACAGGACCCCCACATGCCGGGAGCTGGTTCCGCCCA
 CCCCACCCCTGCACCGGCCAGCGAGGGGATGGCCAGAAGAGGGGAGGACCATGTGGATTACACAGT
 GCTGGACATGTGCTCTGTGGCTACCCCTCTGCCTACTCTCTGGCCCGATACAGGGGTGTGGACAGGCC
 TGGGTGACTCCAGCATGGCTTCTCTCCAGGACGTACCCGGTGGCAGCTGCTTCTTCCAGAGCCGGCA
 GGAGGCCAGAGGCTCCATCTGCTTTCAGAGCTGCCAGCTGCCCCGCAATGGCTGAGCACCGAAGCATGG
 ACGGGAGAATGGAAGCAGCCACACGGGGGGCTCTCACCTCCAGATCGCTGGGCTGTGGCTCCCCAGA
 GGCCCTGCCACCTGAAGGGATGGCAGCACAGCCACTCAGCACACCGCTGCCTGCAAACAGGGCCAGGC
 TGCAGCCAGACCCCCAGGCCGGGGCCACCATCAGCACACCACCACCACCAAGGAGGGGCCACAG
 GAGGGGCTGGTGGAGCTGCCCGCTCGTTCGGGAGCTGCTCACCTTCTTCTGCACCAATGCCACCATCC
 ACGGCGCCATCCGCTGGTCTGCTCCCGCGGAACCGCCTCAAGACGACGCTCCTGGGGGCTGCTGTCCCT
 GGGAGCCCTGGTCCGCTCTGCTGGCAGCTGGGCTCCTCTTTGAGCGTCACTGGCACCGCCCGTCCCTC
 ATGGCCGTCTCTGTGCACTCGGAGCGCAAGCTGCTCCCGTGGTACCCTGTGTGACGGGAACCCACGTC
 GGCCGAGTCCGGTCTCCGCCATCTGGAGCTGTGGACGAGTTTGCCAGGGAGAACATTGACTCCCTGTA
 CAACGTCAACCTCAGCAAAGGCAGAGCCGCCCTCTCCGCCACTGTCCCCGCCACGAGCCCCCTTCCAC
 CTGGACCGGGAGATCCGTCTGCAGAGGCTGAGCCACTCGGGCAGCCGGGTGAGTGGGGTTCAGACTGT
 GCAACAGCACGGCGCGACTGCTTTTACCGAGGCTACACGTGAGCGTGGCGGCTGCCAGGACTGGTA
 CCACTTCCACTATGTGGATATCTGGCCCTGCTGCCCGCGCATGGGAGGACAGCCACGGGAGCCAGGAC
 GGCCACTTCGCTCTCTCAGTACGATGGCCTGGACTGCCAGGCCGACAGTTCCGGACCTTCCACC
 ACCCCACCTACGGCAGCTGTACACGGTCGATGGCGTCTGGACAGCTCAGCGCCCCGGCATCACCCACGG
 AGTCGGCTGGTCTCAGGGTTGAGCAGCAGCCTCACCTCCCTCTGCTGTCCACGCTGGCCGGCATCAGG
 GTCATGGTTCACGGCCGTAACCACACGCCCTTCTGGGGCACCACAGCTTCCAGCGTCCGGCCAGGGACGG
 AGGCCACCATCAGCATCCGAGAGGACGAGGTGCACCGGCTCGGGAGCCCCACGGCCACTGCACCGCCGG
 CGGGGAAGGCGTGGAGGTGGAGCTGTACACAACCTCTACACCAGGCAGGCCTGCCTGGTGTCTCTGC
 TTCCAGCAGCTGATGGTGGAGACCTGCTCTGTGGCTACTACCTCCACCCTGCGCGGGGGGCTGAGT
 ACTGCAGCTCTGCCCGCACCTGCCTGGGGACTGCTTCTACCGCCTTACCAGGACCTGGAGACCCA
 CCGGCTCCCTGTACCTCCCGCTGCCCCAGGCCCTGCAGGGAGTCTGCATTCAAGCTCTCCACTGGGACC
 TCCAGGTGGCCTTCCGCCAAGTCAGCTGGATGGACTCTGGCCACGCTAGGTGAACAGGGGCTGCCGCATC
 AGAGCCACAGACAGAGGAGCAGCCTGGCCAAAATCAACATCGTCTACCAGGAGCTCAACTACCGCTCAGT
 GGAGGAGGCGCCCGTGTACTCGGTGCCGAGCTGCTCTCGGCCATGGGCAGCCTCTGCAGCCTGTGGTTT
 GGGGCTCCGTCTCTCCCTCTGGAGCTCCTGGAGCTGCTGCTCGATGCTTCTGCCCTCACCTGGTGC
 TAGGCGGCCCGCCGCTCCGACGGCGTGGTTCTCTGGCCAGAGCCAGCCCTGCCTCAGGGGCGTCCAG
 CATCAAGCCAGAGGCCAGTCAGATGCCCCCGCCTGCAGGGCAGCAGTCAGATGACCCGGAGCCACGCGGG
 CCTCATCTCCACGGGTGATGCTTCCAGGGTCTGGCGGGAGTCTCAGCCGAAGAGAGCTGGGCTGGGC
 CCCAGCCCTTGAGACTCTGGACACC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG226101 representing NM_001130413
 Red=Cloning site Green=Tags(s)

```

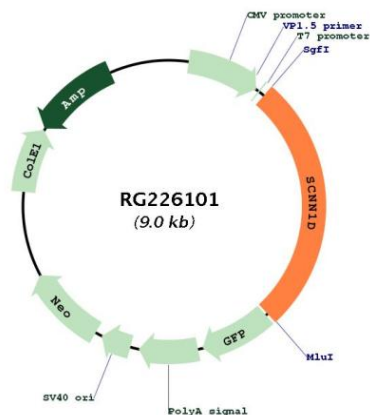
MRAVLSQKTTPLPRYLWPGHLSGPRRLTWSWCSDHRTPTCRELGSPHPTPCTGPARGWPRRGGGPCGFTS
AGHVLCGYPLCLLSGPIQCGTGLGDSSMAFLSRTSPVAAASFQSRQEARGSILLQSCQLPPQWLSTEAW
TGEWKQPHGGALTSRSPGPVAPQRPCHLKGWQHRPTQHNAACKQGQAAAQTTPRPGPPSAPPPPKKEGHQ
EGLVELPASFRELLTFFCTNATIHGAIRLVCSRGNRLKTTSWGLLSLGALVALCWQLGLLFERHWHRPVL
MAVSVHSERKLLPLVTLCDGNPRRPPVLRHLELLDEFARENIDSLYNVNLKSGRAALSATVPRHEPPFH
LDREIRLQRLSHSGSRVRVGFRLCNSTGGDCFYRGYTSVAAVQDWYHFHYVDILALLPAAWEDSHGSQD
GHFVLSYDGLDCQARQFRTFHHPTYGSCYTVDGWVTAQRPGITHGVGLVLRVEQQPHLPLLSTLAGIR
VMVHGRNHTPFLGHHSFSVRPGTEATISIREDEVHRLGSPYGHCTAGGEGVEVELLHNTSYTRQACLVSC
FQQLMVETCSCGYLHPLPAGAEYCSSARHPAWGHCFYRLYQDLETHRLPCTSRCPRPCRESAFKLSTGT
SRWPSAKSAGWTLATLGEQGLPHQSHRQRSSLAKINIVYQELNYRSVEEAPVYSVPQLLSAMGSLCSLWF
GASVLSLELELELLLDASALTLVLGRRRLRRAWFSWPRASPASGASSIKPEASQMPPPAGGTSDDPEPSG
PHLPRVMLPGVLAGVSAEESWAGPQPLELDT
  
```

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

OTI Disclaimer:	<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 custsupport@origene.com 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. More info</p>
OTI Annotation:	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
Components:	<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>
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:	<p>NM_001130413.4</p>
RefSeq Size:	<p>3063 bp</p>
RefSeq ORF:	<p>2409 bp</p>
Locus ID:	<p>6339</p>
UniProt ID:	<p>P51172</p>
Cytogenetics:	<p>1p36.33</p>
Protein Families:	<p>Druggable Genome, Ion Channels: Other, Transmembrane</p>
Gene Summary:	<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>

Product images:



Circular map for RG226101