

Product datasheet for **SC314471**

SCNN1D (AK093239) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCNN1D (AK093239) Human Untagged Clone
Tag:	Tag Free
Symbol:	SCNN1D
Synonyms:	dNaCh; ENaCd; ENaCdelta; SCNED
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for AK093239, the custom clone sequence may differ by one or more nucleotides

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ATGGCTTTCTCTCCAGGACGTCACCGGTGGCAGCTGCTTCCTCCAGAGCCGGCAGGAG
GCCAGAGGCTCCATCCTGCTTCAGAGCTGCCAGCTGCCCCGCAATGGCTGAGCACCGAA
GCATGGACGGGAGAATGGAAGCAGCCACACGGGGGGCTCTCACCTCCAGATCGCTGGG
CCTGTGGCTCCCCAGAGGCCCTGCCACCTGAAGGGATGGCAGCACAGACCCACTCAGCAC
AACGCTGCCTGCAAACAGGGCCAGGCTGCAGCCAGACGCCCCCAGGCCGGGGCCACCA
TCAGCACCACCACCACCACCAAGGAGGGGCACCAGGAGGGGCTGGTGGAGCTGCCCGCC
TCGTTCCGGGAGCTGCTCACCTTCTTCTGCACCAATGCCACCATCCACGGCGCCATCCGC
CTGGTCTGCTCCCGGGGAACCGCCTCAAGACGACGTCCTGGGGGCTGCTGTCCCTGGGA
GCCCTGGTCGCGCTCTGCTGGCAGCTGGGGCTCCTTTTGGAGCTCACTGGCACCGCCCG
GTCCTCATGGCCGTCTCTGTGCACTCGGAGCGCAAGCTGCTCCCGCTGGTCACCTGTGT
GACGGGAACCCACGTCGGCCGAGTCCGGTCTCCGCCATCTGGAGCTGCTGGACGAGTTT
GCCAGGGAGAACATTGACTCCCTGTACAACGTC AACCTCAGCAAAGGCAGAGCCGCCCTC
TCCGCCACTGTCCCCGCCACGAGCCCCCTTCCACCTGGACCGGAGATCCGTCTGCAG
AGGCTGAGTCACTCGGGCAGCCGGTCAAGTGGGGTTCAAGACTGTGCAACAGCACGGGC
GGCAGTCTTTTTACCGAGGCTACACGTCAGGCGTGGCGGCTGTCCAGGACTGGTACCAC
TTCCACTATGTGGATATCCTGGCCCTGCTGCCCGGCATGGGAGGACAGCCACGGGAGC
CAGGACGGCCACTTCGTCTCTCTGCAGTTACGATGGCTGGACTGCCAGGCCGACAG
TTCCGGACCTTCCACTACCCACCTACGGCAGCTGCTACACGGTCGATGGCGTCTGGACA
GCTCAGCGCCCCGGCATACCCACGGAGTCGGCCTGGTCTCAGGGTTGAGCAGCAGCCT
CACCTCCCTCTGCTGTCCACGCTGGCCGGCATCAGGGTCATGGTTCACGGCCGTAACCAC
ACGCCCTTCTGGGGCACCACAGCTTCAGCGTCCGGCCAGGGACGGAGGCCACCATCAGC
ATCCGAGAGGACGAGGTGCACCGCTCGGGAGCCCTACGGCCACTGCACCGCCGGCGGG
GAAGGCGTGGAGGTGGAGCTGCTACACAACACCTCCTACACCAGGCAGGCTGCCTGGTG
TCCTGCTTCCAGCAGCTGATGGTGGAGACCTGCTCCTGTGGTACTACTCCACCCTCTG
CCGGCGGGGGCTGAGTACTGCAGCTCTGCCCGGCACCCTGCCTGGGGACTGCCTCTAC
CGCCTTACCAGGACCTGGAGACCCACCGGCTCCCCTGTACCTCCCGCTGCCCCAGGCC
TGCAGGGAGTCTGCATTCAAGCTCTCCACTGGGACCTCCAGGTGGCTTCCGCCAAGTCA
GCTGGATGGACTCTGGCCACGCTAGGTGAACAGGGGCTGCCGCATCAGAGCCACAGACAG
AGGAGCAGCCTGGCCAAAATCAACATCGTCTACCAGGAGCTCAACTACCGCTCAGTGGAG
GAGGGCCCGTGTACTCGGTGCCGAGCTGCTCTCGGCCATGGGCAGCCTCTGCACCTG
TGGTTTGGGGCCTCCGTCTCTCCCTCCTGGAGCTCCTGGAGCTGCTGCTCGATGCTTCT
GCCCTCACCTGGTGTAGGCAGCCGCCGGCTCCGCAGGGCGTGGTTCTCCTGGCCAGA
GCCAGCCTGCCTCAGGGCGTCCAGCATCAAGCCAGAGGCCAGTCAGATGCCCCCGCT
GCAGGGCGCACGTGAGTACCCGGAGCCAGCAGGCCTCATCTCCACGGGTGATGCTT
CCAGGGGTTCTGGCGGGAGTCTCAGCCGAAGAGAGCTGGGCTGGGCCACGCCCTTGAG
ACTCTGGACACC
    
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Restriction Sites: Please inquire

ACCN: AK093239

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).

OTI Annotation: 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.

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:	<u>AK093239.1</u> , <u>BAC04105.1</u>
RefSeq Size:	2679 bp
RefSeq ORF:	2115 bp
Locus ID:	6339
Cytogenetics:	1p36.33
Protein Families:	Druggable Genome, Ion Channels: Other, Transmembrane
Gene Summary:	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]