

Product datasheet for **SC327173**

epithelial Sodium Channel alpha (SCNN1A) (NM_001159575) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	epithelial Sodium Channel alpha (SCNN1A) (NM_001159575) Human Untagged Clone
Tag:	Tag Free
Symbol:	SCNN1A
Synonyms:	BESC2; ENaCa; ENaCalpha; LIDLS3; SCNEA; SCNN1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_001159575, the custom clone sequence may differ by one or more nucleotides

```

ATGAGCAGTATCAAGGGGAACAAGCTGGAGGAGCAGGACCCTAGACCTCTGCAGCCATA
CCAGGTCTCATGGAGGGGAACAAGCTGGAGGAGCAGGACTCTAGCCCTCCACAGTCCACT
CCAGGGTCTATGAAGGGGAACAAGCGTGGAGGAGCAGGGCTGGCCCCGAACCTGCGGCG
CCCCAGCAGCCCACGGCGGAGGAGGAGGCCCTGATCGAGTTCCACCGCTCCTACCGAGAG
CTCTTCGAGTTCTTCTGCAACAACACCACCATCCACGGCGCCATCCGCCTGGTGTGCTCC
CAGCACAACCGCATGAAGACGGCCTTCTGGCAGTGCTGTGGCTCTGCACCTTTGGCATG
ATGTAAGTGAATTCGGCCTGCTTTTCGGAGAGTACTTCAGTACCCCGTCAGCCTCAAC
ATCAACCTCAACTCGGACAAGCTCGTCTTCCCCGAGTGACCATCTGCACCCTCAATCCC
TACAGGTACCCGAAATTAAGAGGAGCTGGAGGAGCTGGACCGCATCACAGAGCAGACG
CTCTTTGACCTGTACAAATACAGCTCCTTACCACCTCTCGTGGCCGGCTCCCGCAGCCGT
CGCGACCTGCGGGGACTCTGCCGACCCCTTGCAGCGCCTGAGGGTCCCGCCCCCGCT
CACGGGGCCCGTGCAGCCGTAGCGTGGCCTCCAGCTTGGGGACAACAACCCCAAGGTG
GACTGGAAGGACTGGAAGATCGGCTTCCAGCTGTGCAACCAGAACAATCGGACTGCTTC
TACCAGACATACTCATCAGGGGTGGATGCGGTGAGGGAGTGGTACCGCTTCCACTACATC
AACATCCTGTCGAGGCTGCCAGAGACTCTGCCATCCCTGGAGGAGGACACGCTGGGCAAC
TTCATCTTCGCTGCCGTTCAACCAGGTCTCCTGCAACCAGGCGAATTAATCTCACTTC
CACCACCCGATGTATGGAACTGCTATACTTTCAATGACAAGAACAACCTCAACCTCTGG
ATGTCTTCCATGCCTGGAATCAACAACGGTCTGTCCCTGATGCTGCGCGCAGAGCAGAAT
GACTTCATTCCCTGCTGCCACAGTACTGGGGCCGGGTAATGGTGCACGGGCAGGAT
GAACCTGCCTTTATGGATGATGGTGGCTTAACTTGGCGCCTGGCGTGGAGACCTCCATC
AGCATGAGGAAGGAAACCTGGACAGACTTGGGGCGATTATGGCGACTGCACCAAGAAT
GGCAGTGATGTTCTGTGAGAACCCTTACCCTTCAAAGTACACACAGCAGGTGTGTATT
CACTCCTGCTTCCAGGAGCATGATCAAGGAGTGGGTGTGCCTACATCTTCTATCCG
CGGCCCCAGAACGTGGAGTACTGTACTACAGAAAGCACAGTTCTCGGGGTACTGCTAC
TATAAGTCCAGGTTGACTTCTCCTCAGACCACCTGGGCTGTTTACCAAGTGCCGGAAG
CCATGCAGCGTGACCAGTACCAGCTCTCTGCTGGTACTCACGATGGCCCTCGGTGACA
TCCCAGGAATGGGTCTTCCAGATGCTATCGCGACAGAACAATTACACCGTCAACAACAAG
AGAAATGGAGTGGCCAAAGTCAACATCTTCTTCAAGGAGCTGAACTACAAAACCAATTCT
GAGTCTCCCTCTGTACGATGGTACCCTCCTGTCCAACCTGGGAGCCAGTGGAGCCTG
TGGTTCGGCTCCTCGGTGTTGTCTGTGGTGGAGATGGCTGAGCTCGTCTTGGACCTGCTG
GTCATCATGTTTCTCATGCTGCTCCGAAGTTCGGAAGCCGATACTGGTCTCCAGGCCGA
GGGGCAGGGGTGCTCAGGAGGTAGCCTCCACCCTGGCATCCTCCCTCCTTCCACTTC
TGCCCCACCCCATGTCTCTGTCTTGTCCCAGCCAGGCCCTGCTCCCTCTCCAGCCTTG
ACAGCCCTCCCCCTGCCTATGCCACCCTGGGCCCCGCCCATCTCCAGGGGGCTCTGCA
GGGGCAGTTCTCCACCTGTCTCTGGGGGGCC
    
```

Restriction Sites: Please inquire

ACCN: NM_001159575

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>NM_001159575.1, NP_001153047.1</u>
RefSeq Size:	3216 bp
RefSeq ORF:	2079 bp
Locus ID:	6337
UniProt ID:	<u>P37088</u>
Cytogenetics:	12p13.31
Protein Families:	Druggable Genome, Ion Channels: Other, Transmembrane
Protein Pathways:	Taste transduction
Gene Summary:	<p>Nonvoltage-gated, amiloride-sensitive, sodium channels control fluid and electrolyte transport across epithelia in many organs. These channels are heteromeric complexes consisting of 3 subunits: alpha, beta, and gamma. This gene encodes the alpha subunit, and mutations in this gene have been associated with pseudohypoaldosteronism type 1 (PHA1), a rare salt wasting disease resulting from target organ unresponsiveness to mineralocorticoids. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Apr 2009]</p> <p>Transcript Variant: This variant (3) contains an alternate exon in the 5' coding region, and uses an in-frame upstream start codon compared to variant 1. This results in an isoform (3) with a longer N-terminus compared to isoform 1.</p>