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Product datasheet for SC119979

SCNN1B (NM_000336) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SCNN1B (NM_000336) Human Untagged Clone
Tag:	Tag Free
Symbol:	SCNN1B
Synonyms:	BESC1; ENaCb; ENaCbeta; LIDLS1; SCNEB
Mammalian Cell Selection:	None
Vector:	pCMV6-XL4
E. coli Selection:	Ampicillin (100 ug/mL)

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Fully Sequenced ORF:

>OriGene ORF sequence for NM_000336 edited
CGGCACGAGGCGCATCCTCCGTGTCCCCGCTCCGCCGCCCGAGCAGGTGCCACTATGCAC
GTGAAGAAGTACCTGCTGAAGGGCCTGCATCGGCTGCAGAAGGGCCCCGGCTACACGTAC
AAGGAGCTGCTGGTGTGGTACTGCGACAACACCAACACCCACGGCCCCAAGCGCATCATC
TGTGAGGGGCCCAAGAAGAAAGCCATGTGGTTCCTGCTCACCCTGCTCTTCGCCGCCCTC
GTCTGCTGGCAGTGGGGCATCTTCATCAGGACCTACTTGAGCTGGGAGGTCAGCGTCTCC
CTCTCCGTAGGCTTCAAGACCATGGACTTCCCCGCCGTCACCATCTGCAATGCTAGCCCC
TTCAAGTATTCCAAAATCAAGCATTTGCTGAAGGACCTGGATGAGCTGATGGAAGCTGTC
CTGGAGAGAATCCTGGCTCCTGAGCTAAGCCATGCCAATGCCACCAGGAACCTGAACTTC
TCCATCTGGAACCACACACCCCTGGTCCTTATTGATGAACGGAACCCCCACCACCCCATG
GTCCTTGATCTCTTTGGAGACAACCACAATGGCTTAACAAGCAGCTCAGCATCAGAAAAG
ATCTGTAATGCCCACGGGTGCAAAATGGCCATGAGACTATGTAGCCTCAACAGGACCCAG
TGTACCTTCCGGAACTTCACCAGTGCTACCCAGGCATTGACAGAGTGGTACATCCTGCAG
GCCACCAACATCTTTGCACAGGTGCCACAGCAGGAGCTAGTAGAGATGAGCTACCCCGGC
GAGCAGATGATCCTGGCCTGCCTATTCGGAGCTGAGCCCTGCAACTACCGGAACTTCACG
TCCATCTTCTACCCTCACTATGGCAACTGTTACATCTTCAACTGGGGCATGACAGAGAAG
GCACTTCCTTCGGCCAACCCTGGAACTGAATTCGGCCTGAAGTTGATCCTGGACATAGGC
CAGGAAGACTACGTCCCCTTCCTTGCGTCCACGGCCGGGGTCAGGCTGATGCTTCACGAG
CAGAGGTCATACCCCTTCATCAGAGATGAGGGCATCTACGCCATGTCGGGGACAGAGACG
TCCATCGGGGTACTCGTGGACAAGCTTCAGCGCATGGGGGAGCCCTACAGCCCGTGCACC
GTGAATGGTTCTGAGGTCCCCGTCCAAAACTTCTACAGTGACTACAACACGACCTACTCC
ATCCAGGCCTGTCTTCGCTCCTGCTTCCAAGACCACATGATCCGTAACTGCAACTGTGGC
CACTACCTGTACCCACTGCCCCGTGGGGAGAAATACTGCAACAACCGGGACTTCCCAGAC
TGGGCCCATTGCTACTCAGATCTACAGATGAGCGTGGCGCAGAGAGAGACCTGCATTGGC
ATGTGCAAGGAGTCCTGCAATGACACCCAGTACAAGATGACCATCTCCATGGCTGACTGG
CCTTCTGAGGCCTCCGAGGACTGGATTTTCCACGTCTTGTCTCAGGAGCGGGACCAAAGC
ACCAATATCACCCTGAGCAGGAAGGGAATTGTCAAGCTCAACATCTACTTCCAAGAATTT
AACTATCGCACCATTGAAGAATCAGCAGCCAATAACATCGTCTGGCTGCTCTCGAATCTG
GGTGGCCAGTTTGGCTTCTGGATGGGGGGCTCTGTGCTGTGCCTCATCGAGTTTGGGGAG
ATCATCATCGACTTTGTGTGGATCACCATCATCAAGCTGGTGGCCTTGGCCAAGAGCCTA
CGGCAGCGGCGAGCCCAAGCCAGCTACGCTGGCCCACCGCCCACCGTGGCCGAGCTGGTG
GAGGCCCACACCAACTTTGGCTTCCAGCCTGACACGGCCCCCCGCAGCCCCAACACTGGG
CCCTACCCCAGTGAGCAGGCCCTGCCCATCCCAGGCACCCCGCCCCCCAACTATGACTCC
CTGCGTCTGCAGCCGCTGGACGTCATCGAGTCTGACAGTGAGGGTGATGCCATCTAACCC
TGCCCCTGCCCACCCCGGGCGGCTGAAACTCACTGAGCAGCCAAGACTGTTGCCCGAGGC
CTCACTGTATGGTGCCCTCTCCAAAGGGTCGGGAGGGTAGCTCTCCAGGCCAGAGCTTGT
GTCCTTCAACAGAGAGGCCAGCGGCAACTGGTCCGTTACTGGCCAAGGGCTCTGTAGAAT
CACGGTGCTGGTACAGGATGCAGGAATAAATTGTATCTTCACCTGGTTCCTACCCTCGTC
CCTACCTGTCCTGATCCTGGTCCTGAAGACCCCTCGGAACACCCTCTCCTGGTGGCAGGC
CACTTCCCTCCCAGTGCCAGTCTCCATCCACCCCAGAGAGGAACAGGCGGGTGGGCCATG
TGGTTTTCTCCTTCCTGGCCTTGGCTGGCCTCTGGGGCAGGGGTGGTGGAGAGATGGAAG
GGCATCAGGTGTAGGGACCCTGCCAAGTGGCACCTGATTTACTCTAGAAAATAAAAGTAG
AAAAT

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_000336 unedited
NGGGATTTCAGGATATTTGTNAATCCGNACTTTACTNTNAGGGNCGGCACGCGCAATTCG
GCACGAGGCGCATCCTCCGTGTCCCCGCTCCGCCGCCCGAGCAGGTGCCACTATGCACGT
GAAGAATACCTGCTGAAGGGCCTGCATCGGCTGCAGAAGGGCCCCGGCTACACGTACAAG
GAGCTGCTGGTGTGGTACTGCGACAACACCAACACCCACGGCCCCAAGCGCATCATCTGT
GAGGGGCCCAAGAAGAAAGCCATGTGGTTCCTGCTCACCCTGCTCTTCGCCGCCCTCGTC
TGCTGGCAGTGGGGCATCTTCATCAGGACCTACTTGAGCTGGGAGGTCAGCGTCTCCCTC
TCCGTAGGCTTCAAGACCATGGACTTCCCCGCCGTCACCATCTGCAATGCTAGCCCCTTC
AAGTATTCCAAAATCAAGCATTTGCTGAAGGACCTGGATGAGCTGATGGAAGCTGTCCTG
GAGAGAATCCTGGCTCCTGAGCTAAGCCATGCCAATGCCACCAGGAACCTGAACTTCTCC
ATCTGGAACCACACACCCCTGGTCCTTATTGATGAACGGAACCCCCACCACCCCATGGTC
CTTGATCTCTTTGGAGACAACCACAATGGCTTAACAAGCAGCTCAGCATCAGAAAAGATC
TGNTATGCCCACGGGTGCAAAATGGCCATGAGACTATGTAGCCTCAACAGGACCCAGTGT
ACCTTCCGGAACTTCACCAGTGCTACCCCAGCATTGACAGAGTGGTACATCCTGCNAGCC
ACCAACATCTTTGCACAGGTGCCACAGCANGAGCTAGTAGAGATGAGCTACCCCGGCCAG
CAGATGATCCTGGCCTGCCTATTCGGAACTGAGCCTGNAACTACCGGAACTTACGTCCAT
TTNCTACCCTTACTAGG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_000336 unedited
AAAAAAACCTACTAGTACCGCGCCGCGTGCNATGATCGATTTTTTTTTTTTTTTTTCAT
ATTTTCTACTTTTATTTTCTAGAGTAAATCAGGTGCCACTTGGCAGGGTCCCTACACCTG
ATGCCCTTCCATCTCTCCACCACCCCTGCCCCAGAGGCCAGCCAAGGCCAGGAAGGAGAA
AACCACATGGCCCACCCGCCTGTTCCTCTCTGGGGTGGATGGAGACTGGCACTGGGAGGG
AAGTGGCCTGCCACCAGGAGAGGGTGTTCCGAGGGGTCTTCAGGACCAGGATCAGGACAG
GTAGGGACGAGGGTAGGAACCAGGTGAAGATACAATTTATTCCTGCATCCTGTACCAGCA
CCGTGATTCTACAGAGCCCTTGGCCAGTAACGGACCAGTTGCCGCTGGCCTCTCTGTTGA
AGGACACAAGCTCTGGCCTGGAGAGCTACCCTCCCGACCCTTTGGAGAGGGCACCATACA
GTGAGGCCTCGGGCAACAGTCTTGGCTGCTCAGTGAGTTTCAGCCGCCCGGGGTGGGCAG
GGGCAGGGTTAGATGGCATCACCCTCACTGTCAGACTCGATGACGTCCAGCGGCTGCAGA
CGCAGGGAGTCATATTTGGGGGGCGGGGTGCCTGGGATGGGCAGGGCCTGCTCACTGGGG
TAGGGCCCAGTGTTGGGGCTGCGGGGGGCCGTGTCANGCTGGAAGCCAAAGTTGGTGTGG
GCCTCCACCAGCTCGGCCACGGTGGGCGGTGGGCCAGCGTAGCTGGCTTGGGCTCGCCGC
TGCCGTTAGCTCTTGGCCAAGCCACCAGCTTGATGATGGTGATCCACACAAAGTCCATGA
TGATCTCC

Restriction Sites: NotI-NotI

ACCN: NM_000336

Insert Size: 2500 bp

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).

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:	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:	NM_000336.1, NP_000327.1
RefSeq Size:	2564 bp
RefSeq ORF:	1923 bp
Locus ID:	6338
UniProt ID:	P51168
Cytogenetics:	16p12.2
Domains:	ASC
Protein Families:	Druggable Genome, Ion Channels: Other, Transmembrane
Protein Pathways:	Taste transduction
Gene Summary:	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 beta subunit, and mutations in this gene have been associated with pseudohypoaldosteronism type 1 (PHA1), and Liddle syndrome. [provided by RefSeq, Apr 2009]