

## Product datasheet for **RC206580**

### SCNN1B (NM\_000336) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SCNN1B (NM_000336) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SCNN1B
Synonyms:	BESC1; ENaCb; ENaCbeta; LIDLS1; SCNEB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC206580 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCACGTGAAGAAGTACCTGCTGAAGGGCCTGCATCGGCTGCAGAAGGGCCCCGGCTACACGTACAAGG  
 AGCTGCTGGTGTGGTACTGCGACAACACCAACACCCACGGCCCCAAGCGCACCATCTGTGAGGGGCCAA  
 GAAGAAAGCCATGTGGTTCCTGCTCACCTGCTCTTCGCCGCCCTCGTCTGCTGGCAGTGGGGCATCTTC  
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 CCGTCACCATCTGCAATGCTAGCCCTTCAAGTATTCCAAAATCAAGCATTTGCTGAAGGACCTGGATGA  
 GCTGATGGAAGCTGTCTGGAGAGAATCCTGGCTCCTGAGCTAAGCCATGCCAATGCCACCAGGAACCTG  
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 GAGAAGGCACTTCCTTCGGCCAACCCCTGGAAGTGAATTCGGCCTGAAGTTGATCCTGGACATAGGCCAGG  
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 CTTTCATCAGAGATGAGGGCATCTACGCCATGTCGGGGACAGAGACGTCCATCGGGGACTCGTGGACAAG  
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 CCCACACCAACTTTGGCTTCCAGCTGACACGGCCCCCGCAGCCCAACACTGGGCCCTACCCAGTGA  
 GCAGGCCCTGCCATCCAGGCACCCCGCCCCCAACTATGACTCCCTGGCTCTGCAGCCGCTGGACGCT  
 ATCGAGTCTGACAGTGAAGGTGATGCCATC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC206580 protein sequence  
Red=Cloning site Green=Tags(s)

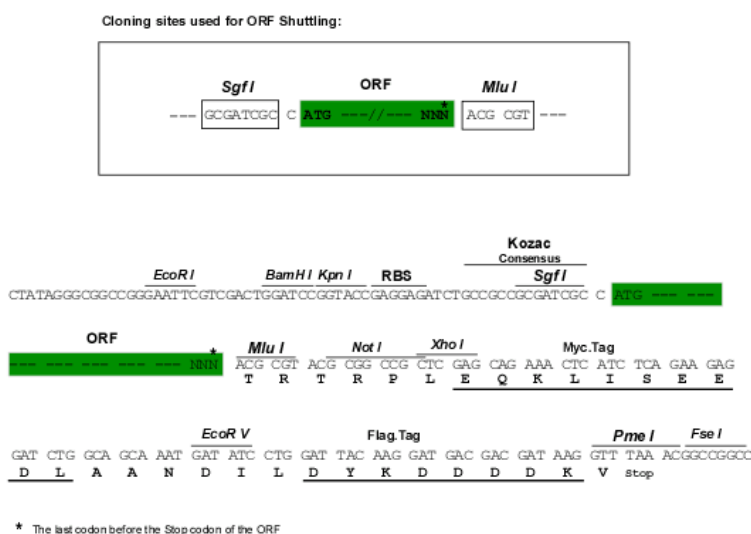
MHVKKYLLKGLHRLQKGPGYTYKELLVWYCDNTNTHGPKRTICEGPKKKAMWFLLTLLFAALVCWQWGIF  
 IRTYLSWEVSVLSVGFKTMDFPAVTICNASPFKYSKIKHLLKDLDELMEAVLERILAPELSHANATRNL  
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 LQRMGEPYSPCTVNGSEVPVQNFYSDYNTTYSIQACLRSFQDHMIRNCCGHLYPLPRGEKYCNRDF  
 PDWAHCYSDLQMSVAQRETICGMCKESCNDTQYKMTISMADWPSEASEDWIFHVLVSDQERDQSTNITLSRK  
 GIVKLNIFYQEFNYRTIEESAANNIIVLLSNLGGQGFWMGGSVLCLIEFGEIIDFVWITIIKLVAK  
 SLRQRRQAQASYAGPPPTVAELVEHTNFGFQPDAPRSPNTGPYPSEQALPIPGTPPPNYDSLRLQLDV  
 IESDSEGDAI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6236\\_d09.zip](https://cdn.origene.com/chromatograms/mk6236_d09.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_000336

**ORF Size:** 1920 bp

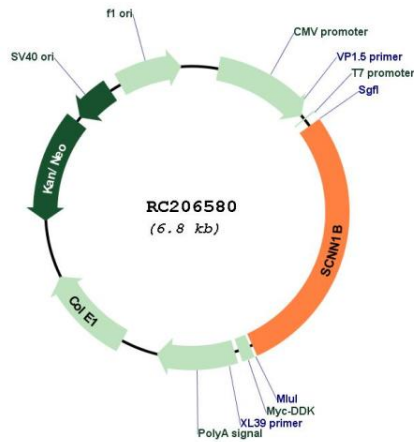
**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

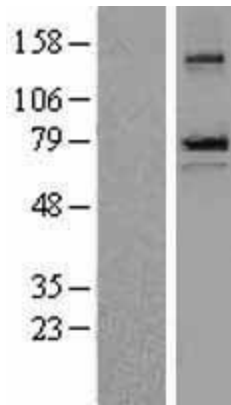
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

<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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_000336.3</a>
<b>RefSeq Size:</b>	2597 bp
<b>RefSeq ORF:</b>	1923 bp
<b>Locus ID:</b>	6338
<b>UniProt ID:</b>	<a href="#">P51168</a>
<b>Cytogenetics:</b>	16p12.2
<b>Domains:</b>	ASC
<b>Protein Families:</b>	Druggable Genome, Ion Channels: Other, Transmembrane
<b>Protein Pathways:</b>	Taste transduction
<b>MW:</b>	72.6 kDa
<b>Gene Summary:</b>	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]

Product images:



Circular map for RC206580



Western blot validation of overexpression lysate (Cat# [LY424793]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206580 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).