

Product datasheet for **RN203161**

Scnn1b (NM_012648) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scnn1b (NM_012648) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Scnn1b
Synonyms:	RNENACB
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN203161 representing NM_012648
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCAGTGAAGAAGTACCTGCTGAAGTGCCTGCACAGGCTGCAGAAGGGCCAGGCTACACCTACAAGG
 AGCTGCTAGTGTGGTACTGCAACAACACCAACACACACGCCCCAAACGCATCATCTGCGAGGGGCCAA
 GAAGAAGGCCATGTGGTTCCTGCTCACGCTGCTCTTCGCCTGCCTGGTGTGCTGGCAGTGGGGCGTCTTC
 ATCCAGACCTACCTGAGCTGGGAGGTACAGCTCTCGCTCTCCATGGGCTTCAAGACCATGAACCTCCAG
 CAGTCACCGTCTGCAATTCAGCCCCCTCCAGTACTCCAAGGTCAAGCACTTGCTGAAGGACTTGTACAA
 GCTGATGGAGGCTGTCTGGACAAGATTCTGGCTCCGAAGTCCAGCCACACCAACACCACAGTACCCTG
 AACTTTACCATCTGGAACCACACGCCCTGGTCTTATTGATGAGCGGAACCCTGACCATCCAGTGGTCC
 TCAACTTGTGGGGACAGCCACAACAGCAGCAACCCAGCCCCAGGAAGCACCTGTAATGCCAAGGGTG
 CAAAGTGGCCATGAGGCTGTGCAGTGCATGGGACCGTGTGTACCTCCGAAACTTACCAGTGCACC
 CAGGCCGTGACTGAGTGGTACATCTGCAGGCCACCAACATCTTCTCACAAGTGTCCCCCAGGACCTGG
 TGGGGATGGGCTATGCTCCTGATCGCATAATCCTAGCCTGTCTGTTTGAACGGAGCCCTGCAGTCATCG
 GAACCTCACACCTATCTTACCCTGATTATGGCAACTGTACATCTTCAACTGGGGCATGACAGAGAAG
 GCACCTTCTTCCCAACCCTGGGACTGAATTTGGTCTCAAGTTGATCCTGGACATTGGTCCAGGAGGACT
 ATGTCCCCTTCTTGGTCCACAGCAGGGGCTAGGCTGATGCTCCACGAGCAGAGGACATACCCCTTCAT
 TAGAGAAGAGGGCATCTATGCCATGGCAGGAAGTGAAGTCTTATTGGGGTGTGCTGGACAAGTGCAG
 GGCAAGGGGGAGCCATACAGTCCCTGCACCATGAACGGCTCCGACGTTGCCATTCAGAACCTCTACAGTG
 ACTACAACACGACCTATCCATCCAGGCCTGCCTTATTCTGTTTCCAAGACCACATGATCCATAACTG
 CAGCTGTGGTCACTACTTGTACCCTTTCCTGCTGGGGAGAAATACTGCAACAACAGAGACTTCCCAGAC
 TGGGCCTACTGCTACCTAAGCCTACAGATGAGTGTGGTCCAGAGAGAGACCTGCCTCAGCATGTGCAAGG
 AGTCTGCAACGACACCCAGTATAAGATGACCATCTCCATGGCTGACTGGCCATCCGAGGCCTCTGAGGA
 TTGGATCTACATGCTCTGCTCAGGAGCGGGACCAGAGCTCAAATATCACCTGAGCAGGAAGGGTATT
 GTCAAGCTCAATATCTACTTCCAAGAGTTCAACTACCGTACCATCGAGGAATCGCCGGCCAAACAATATCG
 TGTGGCTGCTCTAACCTGGTGGCCAGTTGGCTTCTGGATGGGGGGCTCGGTGCTGTGCCTCATTGA
 GTTTGGGGAGATCATTATCGACTTCAATTTGGATCACTGTCATCAAGCTAGTGGCCTCCTGTAAGGCCTG
 CGCAGGAGGGCCACAGCGACCCTACTGCCCCGCCCCACTGTGGCCGAGCTGGTGGAGGCCACA
 CCAACTGTGTCTCCAGCCTGACACAACAGCTGCAGGCCAATGCCGAGGTCTACCCTGACCAACAGAC
 TCTGCCATTCCGGGCACTCCACCTCCCAACTATGACTCCCTGAGGCTGCAGCCGCTGGACACCATGGAG
 TCTGACAGCGAGGTGGAGGCCAT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_012648
- Insert Size:** 1917 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_012648.1](#), [NP_036780.1](#)

RefSeq Size: 2445 bp

RefSeq ORF: 1917 bp

Locus ID: 24767

UniProt ID: [P37090](#)

Cytogenetics: 1q36

Gene Summary: acts as an epithelial sodium ion channel; regulates salt and fluid transport in the kidney [RGD, Feb 2006]