

Product datasheet for **MC219982**

Scnn1b (NM_011325) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scnn1b (NM_011325) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Scnn1b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219982 representing NM_011325
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCAGTGAAGAAGTACCTCCTGAAGTGCCTGCACCGGCTGCAGAAGGGCCAGGCTACACCTACAAGG
 AGCTGCTAGTGTGGTACTGCAATAACACCAACACCCACGGCCCCAAACGCATCATCTGTGAGGGGCCAA
 GAAGAAGGCCATGTGGTTCCTGCTTACGCTGCTCTTCGCCTGCCTGGTGTGCTGGCAGTGGGGAGTCTTC
 ATCCAGACCTACCTGAGCTGGGAGGTGAGCGTCTCGCTCTCCATGGGCTTCAAGACGATGAACCTCCCGG
 CGGTACCGTCTGCAATTCAGCCCTTCCAGTACTCCAAGGTCAGCACTTGTCAAGGACTTGGATGA
 GCTAATGGAGGCAGTCTGAAAAGATTCTGGCTCCAGAGGCCAGCCACAGCAACACCACCAGGACCCTG
 AACTTTACCATCTGGAACACACACCCCTGGTCTTATTGATGAGCGGAACCTGACCACCCGGTGGTTC
 TCAATTTGTTGGGGACAGCCACAACAGCAGCAACCCGGCTCCAGGAAGCACCTGCAATGCCAGGGATG
 CAAAGTGGCCATGAGGCTGTGAGTCCAATGGAAGTGTGTACCTTCCGGAACCTCACCAGTCCACC
 CAGGCCGTAAGTGTGATCATCTGCAGGCCACCAACATCTTCTCACAAGTGCTTCTCAGGACCTGG
 TGGGGATGGGCTATGCCCTGATCGCATAATCCTAGCTTGCCTGTTTGAACAGAGCCCTGCAGTATCG
 GAACCTTACGCCTATCTTCTACCCTGATTATGGCAACTGTACATCTTCAACTGGGGCATGACAGAGGAG
 ACACCTTCTTCTGCCAACCTGGGACTGAATTTGGTCTCAAGTTGATCCTGGACATCGGTGAGGAGGACT
 ATGTCCCCTTCTTGGCTCCACAGCAGGGGCTAGGCTGATGCTTCATGAGCAGAGGACGTACCCCTTCAT
 TAGAGAGGAGGGCATCTATGCCATGGCAGGAAGTGAAGCTGATGTTGGGGTGGTGGACAAGCTGCAA
 CGCAAGGGGGAGCCCTACAGTCCCTGCACCATGAACGGCTCCGATGTTGCCATAAAGAACCTCTACAGTG
 TCTACAACACCACCTATTCCATCCAGGCTGTCTTCATTCTTCCAAGACCACATGATCCGTAAGT
 CAGTTGTGGCCACTACTTATACCCACTGCCTGAAGGAGAGAAATACTGCAACAACAGGGACTTCCCAGAC
 TGGGCCTATTGCTATCTAAACCTGCAGATGAGTGTGACCCAGAGAGAGACCTGCCTCAGCATGTGCAAGG
 AGTCTGCAATGACACCCAGTATAAGATGACCATCTCCATGGCTGACTGGCCATCTGAGGCCTCTGAGGA
 TTGGATCTTACATGCTCTGCTCAGGAGCGGGACCAGAGCTCGAATATCACCCCTGAGCAGGAAGGGTATT
 GTCAAGCTCAATATCTACTTCCAAGAGTTCAACTACCGTACCATTGAGGAATCTCCAGCCAACAATATTG
 TGTGGCTGCTCTAACCTGGGGGGCCAGTTGGCTTCTGGATGGGGGGCTCGGTGCTGTGCCTCATTGA
 GTTTGGGGAGATCATTATCGACTTCAATTTGGATCACCATCATCAAGCTGGTGGCCTCTGCAAAGGCCTG
 CGCAGGAGGGCCACAGGCACCCTACTGCCCCACCGCCACTGTGGCTGAGCTGGTAGAGGCCACA
 CCAACTTTGGCTTCCAGCCTGACACAACAGCTGACAGGCCACCGCGAGGTCTACCCTGACCAACAGAC
 TCTGCCATCCCAGGGACTCCACCCCAACTATGACTCCCTGAGGCTGCAGCCGCTGGACACCATGGAG
 TCGGACAGTGAGGTGGAGGCCAT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2478_f08.zip

Restriction Sites: SgfI-MluI

ACCN: NM_011325

Insert Size: 1917 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_011325.2](#), [NP_035455.1](#)

RefSeq Size: 2694 bp

RefSeq ORF: 1917 bp

Locus ID: 20277

UniProt ID: [Q9WU38](#)

Cytogenetics: 7 65.07 cM

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. Plays an essential role in electrolyte and blood pressure homeostasis, but also in airway surface liquid homeostasis, which is important for proper clearance of mucus. Controls the reabsorption of sodium in kidney, colon, lung and sweat glands. Also plays a role in taste perception.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the shortest transcript. Both variants 1 and 2 encode the same protein.