

Product datasheet for **MC228543**

Scnn1b (NM_001272023) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scnn1b (NM_001272023) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Scnn1b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228543 representing NM_001272023
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCAGTGAAGAAGTACCTCCTGAAGTGCCTGCACCGGCTGCAGAAGGGCCAGGCTACACCTACAAGG
 AGCTGCTAGTGTGGTACTGCAATAACACCAACACCCACGGCCCAAACGCATCATCTGTGAGGGGCCAA
 GAAGAAGGCCATGTGGTTCTGTCTACGCTGCTCTTCGCCTGCCTGGTGTGCTGGCAGTGGGAGTCTTC
 ATCCAGACCTACCTGAGCTGGGAGGTACAGCTCTCGCTCTCCATGGGCTTCAAGACGATGAACCTCCCGG
 CGGTACCGTCTGCAATTCAGCCCTTCCAGTACTCCAAGGCAAGCACTTGTCAAGGACTTGGATGA
 GCTAATGGAGGCAGTCTGAAAAGATTCTGGCTCCAGAGGCCAGCCACAGCAACACCACCAGGACCCTG
 AACTTTACCATCTGGAACCACACCCCCTGGTCTTATTGATGAGCGGAACCCTGACCACCCGGTGGTTC
 TCAATTTGTTGGGACAGCCACAACAGCAGCAACCCGGCTCCAGGAAGCACCTGCAATGCCAGGGATG
 CAAAGTGGCCATGAGGCTGTGCAGTGCCAATGGAAGTGTGTGTACCTTGGGAACCTCACCAGTCCACC
 CAGGCCGTAAGTGTGATCATCTGCAGGCCACCAACATCTTCTCACAAAGTGCTTCTCAGGACCTGG
 TGGGGATGGGCTATGCCCTGATCGCATAATCCTAGCTTGCCTGTTTGAACAGAGCCCTGCAGTATCG
 GAACCTTACGCCTATCTTACCCTGATTATGGCAACTGTACATCTTCAACTGGGGCATGACAGAGGAG
 ACACCTTCTTCTGCCAACCTGGGACTGAATTTGGTCTCAAGTTGATCCTGGACATCGGTGAGGAGGACT
 ATGTCCCCTTCTTGGTCCACAGCAGGGGCTAGGCTGATGCTTCATGAGCAGAGGACGTACCCCTTCAT
 TAGAGAGGAGGGCATCTATGCCATGGCAGGAAGTGAAGCTCTATTGGGGTGTGGTGGACAAGCTGCAA
 CGCAAGGGGGAGCCCTACAGTCCCTGCACCATGAACGGCTCCGATGTTGCCATAAAGAACCTCTACAGTG
 TCTACAACACCACCTATTCCATCCAGGCCTGTCTTCTTCTTCAAGACCACATGATCCGTAACCTG
 CAGTTGTGGCCACTACTTATACCCACTGCCTGAAGGAGAGAAATACTGCAACAACAGGGACTTCCAGAC
 TGGGCCTATTGCTATCTAAACCTGCAGATGAGTGTGACCCAGAGAGAGACCTGCCTCAGCATGTGCAAGG
 AGTCTGCAATGACACCCAGTATAAGATGACCATCTCCATGGCTGACTGGCCATCTGAGGCCTCTGAGGA
 TTGGATCTTACATGTCCTGTCTCAGGAGCGGGACCAGAGCTCGAATATCACCTGAGCAGGAAGGGTATT
 GTCAAGCTCAATATCTACTTCCAAGAGTTCAACTACCGTACCATTGAGGAATCTCCAGCCAACAATATTG
 TGTGGCTGCTCTAACCTGGGGGGCCAGTTGGCTTCTGGATGGGGGGCTCGGTGCTGTGCCTCATTGA
 GTTTGGGAGATCATTATCGACTCATTGGATCACCATCATCAAGCTGGTGGCCTCTGCAAAGGCCTG
 CGCAGGAGGGCCACAGGCACCCTACTGGCCACCAGCCACTGTGGCTGAGTGGTAGAGGCCACA
 CCAACTTTGGCTTCCAGCCTGACACAACAGCTGCAAGGCCACCGCGAGGTCTACCCTGACCAACAGAC
 TCTGCCATCCCGGGGACTCCACCCCAACTATGACTCCCTGAGGCTGCAGCCGCTGGACACCATGGAG
 TCGGACAGTGAGGTGGAGGCCAT**CTAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001272023

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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001272023.1, NP_001258952.1</u>
RefSeq Size:	2697 bp
RefSeq ORF:	1917 bp
Locus ID:	20277
UniProt ID:	<u>Q9WU38</u>
Cytogenetics:	7 65.07 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.</p>