

Product datasheet for **MC219100**

Slc9b1 (NM_028946) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc9b1 (NM_028946) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc9b1
Synonyms:	1700094G20Rik; 4933424B12Rik; 4933425K02Rik; mtsNHE; Nhedc1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219100 representing NM_028946
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGTGAGCAGCAGCTAGAATCAAACAAGAAGGATGATGGTTTCCAATCATCTGTAACCTGTTGAGATGT
 CCAAAGATCCTGATAGTTTTTCATGAAGAACTGTGGAACCAAAACCAGAAGTGAAGGAACCGGAACCAAA
 GGAAACCAGAACCAGGAACAGAAAGGAAGGAACAGAAAGGAAGGAACAGAAAGGAAGGAACAGAA
 AGGAAGGAACAGAAAGGAAGGTACCAGGAAGAAGGGAACACAAACGAAGGAACACAAACAACCGAAA
 TAGAAAGGAAGGAACAAAAAGAGAGGGACAAATAGTTACTGTCTCCACAAGGAACAATAAATAA
 AACAAATACAGATGGAGCTGCCTCATTGCACTATGGACTCTACTCTGGGCCCTTATAGGTCAAGAAGTT
 CTCCTGGTGGAAATTTGTTGGACTTGTAGTTATTTTTACAGTGCTTCTCTGGGGTAAAATTTAG
 AATTCATTAGAATACCTGTAGTGCCTCCCTCCACCTCTCATTGGGATGTTACTGGCTGGTTCCACAT
 CAGGAATGTTCCGATTATTTATGAATTTGCCATATTCCTACCACATGGTCTTCAGCTTTAAGAAACCT
 GCCCTTACTATTATCCTAGTACGAGCTGGGCTTGGACTGGATCCACAGGCCTTGAAGCATCTGAAGGGAG
 TCTGTCTGCGCTTGTCAATTTGGTCCATGCTTCTAGAAGCCTGCTCAGCCGCTCTCTTCTCCCACTTCAT
 TATGAACCTTCTTGGCAATGGGGTTCCTACTAGGTTTTGTCCTAGGCGCTGTCTCTCCTGCTGTGTGC
 GTCCCAACATGCTAATGTTGCAGGAGAATGGGTATGGTGTGAGAAAGGCATCCCGACCTTGTGGTGG
 CAGCTAGCAGCATGGACGACATTGTGGCCATCACTGGATTCAACACATTTGAGCATAGTCTTTTCCTC
 GGGTAGTGTGATTAGCAACATCCTATCGTCTTGGGGACGTTCTTATTGGGGTGTGGTAGGAATGTT
 ATGGGAGTTTTTGTTCAGTATTTTCCAAGTGGAGATCAGGAGAGACTTACGCAGAGGCGAGCCTTCTAG
 TTCTGAGTATGTGATTTCTGTGTCTTAGGCTGCCAGCACATTGGCTTACATGGATCTGGAGGACTGGT
 CACACTAGTATTGTCGTTTCATGGCAGCAAAAAGATGGGCTGAAGAGAAGGTTGGAATCCAAAAAATGTT
 GCAAACACATGGAATGTTTTTCAGCCGCTTCTTTTTGGCTTAGTTGGAACAGAAGTATCTGTTGAATCTC
 TTGAATCAAAAACCATTTGGCATGTGCCTTGTACCTTGGGTTTGGCACTATCTGTTGCAATTTTATCCAC
 TTTTGTACTGATGCTTTTGTAACTTCCGTTTTAAGGAGAAAGTATTTATGCTTTATCATGGATCCCT
 AAAGCTACAGTCCAGGCTGTCTTAGGACCTCTGGCTCTAGAAACAGCAAGGGTATGGCACCCCACTTGG
 AAGGATACGCGAAGGCTGTGATGACAGTGGCCTTCTAGCCATCCTGATTACAGTCCAAATGGAGCCCT
 CCTCATCGGCATACTGGACCAAAAATCCTTGAACAGAGTGAGGTGACATTCCCTTTGAAAGTTGAGCTC
 TCGAACTCCATCATTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_028946
- Insert Size:** 1698 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_028946.3](#), [NP_083222.2](#)

RefSeq Size: 2245 bp

RefSeq ORF: 1698 bp

Locus ID: 74446

Cytogenetics: 3 G3

Gene Summary: Sperm-specific Na(+)/H(+) exchanger involved in intracellular pH regulation of spermatozoa (PubMed:20036903). Involved in sperm motility and fertility (PubMed:20036903, PubMed:27010853, PubMed:19409551).[UniProtKB/Swiss-Prot Function]