

## Product datasheet for **MC220045**

### Slc9a9 (NM\_177909) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc9a9 (NM_177909) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc9a9
Synonyms:	5730527A11Rik; 9930105B05; AI854429; Nhe9
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC220045 representing NM\_177909  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCTGGGCAGCTTCGGTTTACGTGAGGGAAGGATGAAGATCATTTTCAACACCAGGGAGCAGTGGAGC  
 TACTCGGTTTTAATTTTTGCTCATCCTTACCATTTTAAACAATCTGGTTATTTAAAAATCACCGATTCCG  
 CTTCTTGCATGAGACTGGAGGGCGATGGTGTATGGCCTCATAATGGGACTAATTTTGGCATATGCCACA  
 GCGCCGACTGATATTGATAGTGGAACTGTCTACAACGTGGAACTTGTCTTCAGCCCACTCACTCTAC  
 TAGTCAACATCACCGACCAAGTTTATGAGTATAAGTACCAGAGAGAGATCAACCAGCACAAATACAGCCC  
 CCACCAAGGCAACGCCATACTGGAGAAGATGACGTTTGACCCAGAAATCTTCTCAACGTTTTGCTGCCT  
 CCCATCATATTTATGCAGGATACAGTCTGAAGAAGAGACACTTTTTTCAAACCTGGGATCCATTTTAA  
 CATATGCCTTCTGGGAACAGCCATCTCTGTGTGGTCATAGGGTTAATTATGTACGGCTTTGTGAAAGC  
 CATGGTGCATGTGGCCAGCTGAAGAGCGGAGACTTCCACTTCACTGACTGTTTATTTTTGGTTCACTG  
 ATGTCTGCTACAGATCCAGTGACAGTGTGGCCATTTTCCATGAACTCCAGTGGACCCAGACCTGTACA  
 CACTGCTGTTTGGAGAGAGTGTACTGAATGATGCGGTGGCCATAGTCCTCACATACTCTATATCCATCTA  
 TAGTCCCAAGGAGAATCCAACGCGTTTGACACGGCAGCGTTCTTCCAATCCGTGGGCAATTTCTAGGG  
 ATCTTTGCCGGCTCCTTTGCAATGGGCTCCGCATATGCAGTTGTTACCGCACTGTTGACCAAATTTACCA  
 AGCTCCGTGAGTCCCAGTGTGGAGACAGGCCGTGTTTTCTCCTTTCTTGGAGTGCCTTCTGTCTGC  
 AGAGGCCGCCGGCTTAAACAGGCATAGTTGCTGTCTCTTCTGTGGAGTACACAGGCACATTACACCTAC  
 AACAACTGTCTATCGGATTCAAACTGAGGACCAACAGCTGTTTGAATTTATGAACTTCTGGCTGAAA  
 ACGTCATCTTCTGCTACATGGCCTGGCTCTGTTACCTTCCAGAAATCACATTTTCAATGCTTTTTTAT  
 ACTCGGAGCCTTTCTAGCAATTTTTGTTGCCAGAGCCTGCAACATTTACCCCTCTCCTTCTCCTGAAT  
 CTGGGCAGAAAGCAGAAGATTCCCTGGAACCTCCAGCACATGATGATGTTTTTTCAGGTTTGCAGGTGCCA  
 TTGCCTTCGCCCTGGCCATCCGCAACACGGAATCTCAGCCCAAACAGATGATGTTACCACCACACTGCT  
 CTTGTGTTCTTCACTGTCTGGGTGTTTGGAGGAGGAACGACCCCATGCTGACGTGGCTTCCAGATCAGA  
 GTTGGTGTGGACTGGATGAAAGTCTGAAGGAAGGCCCTCTCACAGCAGGAAGCAAATAAGTTGGACA  
 AAAACATGACGAAGACAGAGAGTGCACAGCTCTCAGAATGTGGTATGGATTTGACCACAATACCTGAA  
 ACCCATCTAACACACTCAGGCCCTCCACTGACCACCCTTCCAGCGTGGTGTGGCCAGTCTCCAGG  
 CTGCTCACCAGTCCGAGGCCTATGGGGAACAACCTGAAAGAGGATGACGTGGAATGTATCGTCAACCAAG  
 ATGAACTGGCCATGAATTACCAGGAGCAGAGCCCTTACCCAGCAGTCCACCAACCAAGCTAGCTCTGGA  
 CCAGAAGTCTTACAGCCAGACTCCAGGCAAGGAGAATATCTACGAGGGAGATCTCGCCCTGGGAGGCTAT  
 GATCTCAAACCTGGAGCAGACTCGGGGTCAACCCAGATGGACT**AA**

AG**GCGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM\_177909
- Insert Size:** 1935 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\\_177909.5](#), [NP\\_808577.3](#)

**RefSeq Size:** 3492 bp

**RefSeq ORF:** 1935 bp

**Locus ID:** 331004

**UniProt ID:** [Q8BZ00](#)

**Cytogenetics:** 9 E3.3

**Gene Summary:** May act in electroneutral exchange of protons for Na(+) across membranes. Involved in the effusion of Golgi luminal H(+) in exchange for cytosolic cations. Involved in organelle ion homeostasis by contributing to the maintenance of the unique acidic pH values of the Golgi and post-Golgi compartments in the cell (By similarity).[UniProtKB/Swiss-Prot Function]