

Product datasheet for **RN209225**

Slc9a1 (NM_012652) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc9a1 (NM_012652) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc9a1
Synonyms:	Nhe1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN209225 representing NM_012652
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGATGCTAAGGTGGTCTGGCATCTGGGACTTTATCCACCTCGGATCTTCCCCTCTTGCTGGTGGTGG
 TTGCCTTGGTGGGCTGCTACCTGTTCTCAGGAGCCACGGCCTCCAGCTTAACCCCTACTGCCAGCACCAT
 CAGAGTTCTGAACCACCCCGGAACGCTCAATTGGGGATGTACCACAGCTCCATCAGAGCCTCTCCAC
 CACCCAGATGACCGCAATTTGACCAACTTATACATTGAACACGGCGCTAAGCCAGTTCGAAAGGCCTTTC
 CAGTCTGGACATTGACTACTTACATGTACGGACACCCTTCGAGATCTCCCTCTGGATTCTCCTGGCCTG
 CCTCATGAAGATAGTTTCCATGTGATCCCACCATCTCGAGCATCGTCCCGGAGAGCTGCCTGCTGATC
 GTAGTGGGCTGCTGGTGGGGGCTGATCAAGGGCGTTGGAGAGACGCCCCCTTCTGCAGTCGGACG
 TCTTCTCCTCTCCTGCTGCCACCCATCATCCTGGACGCAGGCTACTTCTGCCTTGAGGCAGTTCAC
 GGAGAACCTGGGACCATCCTGATCTTTGCTGTGGTGGGCACGCTGTGGAATGCTTCTCCTGGGTGGC
 CTCTGTACGCCGTGTGCCTGGTGGGCGCGAGCAGATCAATAACATCGGCCTGCTGGACACCCTGCTGT
 TCGGTAGCATCATCTCCGCGGTGGACCCGGTGGCCGTGCTGGCCGTCTTCGAGGAGATCCACATCAATGA
 GCTGCTGCACATCCTGGTCTTTGGGGAGTCCCTGCTCAACGATGCCGTCACTGTGGTCTCTACCACCTC
 TTTGAGGAGTTTGCCAGCTATGAGTATGTGGGCATCTCGGACATCTTCTCGGCTTCTGAGCTTCTTTG
 TCGTGTCCCTCGGCGGGTGTGTGGGCGTGGTACGGGGTCACTCGCAGCCTTACCTCACGATTTAC
 CTCCCACATCCGGGTCACTGAGCCGCTCTTCGTCTTCTTTACAGCTATATGGCTTACCTGTCAGCCGAG
 CTCTTCCACCTGTCTGGAATCATGGCCCTCATCGCCTCAGGAGTGGTGTGCGCCCCTACGTGGAGGCCA
 ACATCTCCCAAAATCCACACCACCACTCAAGTACTTCTTGAAGATGTGGAGCAGCGTCAGCGAGACCT
 CATCTTTCATCTTCTTGGCGTCTCCACCGTGGCCGGCTCCACCCAGTGGAACTGGACCTTTGTTCATCAGC
 ACCCTGCTCTTCTGCCTCATCGCCCGGGTGTGGGGTCTGGTCTGACCTGGTTCATCAACAAGTTCC
 GAATTGTCAAGCTGACCCCAAGGACAGTTCATCATTGCCTATGGGGCCTGCGAGGGGCCATCGCCTT
 CTCACTGGGCTACCTCCTGGACAAGAAGCACTTCCCCATGTGTGATCTGTTCTCACCGCCATCACC
 GTCATCTTCTTACAGTCTTTGTGCAGGGCATGACCATTTCGGCCCTGGTAGACCTGTTGGCTGTGAAGA
 AAAAGCAAGAAACAAAGCGCTCCATCAACGAGGAGATCCACACACAGTTCCTGGACCACCTTCTGACAGG
 CATCGAGGACATCTGTGGTCATTATGGCCACCATCACTGGAAGGACAAGCTCAACCGCTTAATAAGAAG
 TATGTGAAGAAGTCTAATAGCTGGAGAGCGCTCCAAGGAGCCCGAGCTCATTGCCTTCTACCACAAGA
 TGGAGATGAAGCAGGCCATCGAGCTGGTGGAGAGTGGGGCATGGGCAAGATCCCATCTGCCGTCTCAAC
 TGTCTCTATGCAGAACATCCACCCCAAGTCTGCAGCTTCAAGGCGCATCTTGCCAGCGCTGTCTAAGGAC
 AAGGAGGAGGAGATCCGCAAAATCCTGAGGAGTAACTGCAGAAAACCCGGCAACGGCTGCGGTCTATA
 ACAGACACACGCTGGTGGCCGACCCCTACGAGGAAGCCTGGAACCAGATGCTGCTCCGGAGGCAGAAGGC
 CCGGCAACTGGAGCAGAAGATCACCAACTACCTGACGGTACCGGCCACAAAGCTGGACTCACCCACCATG
 TCTCGGGCCCGCATAGGCTCAGACCCACTGGCCTATGAACCAAGGCCGACCTCCCTGTCATCACCATCG
 ACCCAGCTCCCCGAGTCCCCGAGTCTGTGGACCTGGTGAATGAGGAGTTGAAGGGCAAAGTCCCTTGG
 GCTAAAGCGGGTCTTAGGACGACTCCGGAAGAGGAAGAGAAGATGAGGATGGCGTCATCATGATTCGG
 AGCAAGGAGCCCTCATCCCAGGCACCGATGATGTCTTACCCCGGACCAAGTACAGCCCGGCTCCC
 AGAGAATACAACGCTGCCTCAGTGACCCGGGCCCCACCCTGAGCCTGGGAGGGAGAGCCTTTCATCCC
 CAAAGGGCAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_012652
Insert Size: 2463 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:	<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:	NM_012652.1 , NP_036784.1
RefSeq Size:	4581 bp
RefSeq ORF:	2463 bp
Locus ID:	24782
UniProt ID:	P26431
Cytogenetics:	5q36
Gene Summary:	catalyzes the exchange of a proton with a sodium ion across the plasma membrane; plays a role in regulation of intracellular pH [RGD, Feb 2006]