

## Product datasheet for **RR209225**

### Slc9a1 (NM\_012652) Rat Tagged ORF Clone

#### Product data:

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



[View online »](#)

ORF Nucleotide  
Sequence:

>RR209225 representing NM\_012652  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATGCTAAGGTGGTCTGGCATCTGGGACTTTATCCACCTCGGATCTTCCCCTCTTGCTGGTGGTGG  
 TTGCCTTGGTGGGCTGCTACCTGTTCTCAGGAGCCACGGCCTCCAGCTTAACCCCTACTGCCAGCACCAT  
 CAGAGGTTCTGAACACCCCGGAACGCTCAATTGGGGATGTACCACAGCTCCATCAGAGCCTCTCCAC  
 CACCCAGATGACCGCAATTTGACCAACTTATACATTGAACACGGCGCTAAGCCAGTTCGAAAGGCCTTTC  
 CAGTCTGGACATTGACTACTTACATGTACGGACACCCTTCGAGATCTCCCTCTGGATTCTCCTGGCCTG  
 CCTCATGAAGATAGGTTTCCATGTGATCCCACCATCTCGAGCATCGTCCCGGAGAGCTGCCTGCTGATC  
 GTAGTGGGCTGCTGGTGGGGGCTGATCAAGGGCGTTGGAGAGACGCCCCCTTCTGCAGTCGGACG  
 TCTTCTCCTCTCCTGCTGCCACCCATCATCCTGGACGCAGGCTACTTCTGCCTCTGAGGCAGTTCAC  
 GGAGAACCTGGGACCATCCTGATCTTTGCTGTGGTGGGCACGCTGTGGAATGCTTCTCCTGGGTGGC  
 CTCTGTACGCCGTGTGCCTGGTGGGCGCGAGCAGATCAATAACATCGGCCTGCTGGACACCCTGCTGT  
 TCGGTAGCATCATCTCCGCGGTGGACCCGGTGGCCGTGCTGGCCGTCTTCGAGGAGATCCACATCAATGA  
 GCTGCTGCACATCCTGGTCTTTGGGGAGTCCCTGCTCAACGATGCCGTCACTGTGGTCTCTACCACCTC  
 TTTGAGGAGTTTGCCAGCTATGAGTATGTGGGCATCTCGGACATCTTCTCGGCTTCTGAGCTTCTTTG  
 TCGTGTCCCTCGGCGGGTGTGTGGGCGTGGTACGGGGTCACTCGCAGCCTTACCTCACGATTTAC  
 CTCCCACATCCGGGTCACTGAGCCGCTCTTCGTCTTCTTTACAGCTATATGGCTTACCTGTCAGCCGAG  
 CTCTTCCACCTGTCTGGAATCATGGCCCTCATCGCCTCAGGAGTGGTGTGCGCCCCTACGTGGAGGCCA  
 ACATCTCCCAAATCCACACCACCATCAAGTACTTCTGAAGATGTGGAGCAGCGTCAGCGAGCCTC  
 CATCTTTCATCTTCTTGGCGTCTCCACCGTGGCCGGCTCCACACAGTGGAACTGGACCTTTGTCTCAGC  
 ACCCTGCTCTTCTGCCTCATCGCCCGGTGCTGGGGTCTGGTCTGACCTGGTTCATCAACAAGTTCC  
 GAATTGTCAAGCTGACCCCAAGGACAGTTCATCATTGCCTATGGGGGCTGCGAGGGGCCATCGCCTT  
 CTCACTGGGCTACCTCCTGGACAAGAAGCACTTCCCCATGTGTGATCTGTTCTCACCGCCATCACC  
 GTCATCTTCTCACAGTCTTTGTGCAGGGCATGACCATTTCGGCCCTGGTAGACCTGTTGGCTGTGAAGA  
 AAAAGCAAGAAACAAAGCGCTCCATCAACGAGGAGATCCACACAGTTCCTGGACCACCTTCTGACAGG  
 CATCGAGGACATCTGTGGTCATTATGGCCACCATCACTGGAAGGACAAGCTCAACCGCTTAATAAGAAG  
 TATGTGAAGAAGTGTCTAATAGCTGGAGAGCGCTCCAAGGAGCCCAGCTCATTGCCTTCTACCACAAGA  
 TGGAGATGAAGCAGGCCATCGAGCTGGTGGAGAGTGGGGCATGGGCAAGATCCCATCTGCCGTCTCAAC  
 TGCTCTATGCAGAACATCCACCCAAAGTCTGCAGCTTACAGAGCGCATCTTGCCAGCGCTGTCTAAGGAC  
 AAGGAGGAGGAGATCCGCAAAATCCTGAGGAGTAACTGCAGAAAACCCGGCAACGGCTGCGGTCTATA  
 ACAGACACACGCTGGTGGCCGACCCCTACGAGGAAGCCTGGAACCAGATGCTGCTCCGGAGGCAGAAGGC  
 CCGGCAACTGGAGCAGAAGATCACCAACTACCTGACGGTACCGGCCACAAGCTGGACTCACCCACCATG  
 TCTCGGGCCCGCATAGGCTCAGACCCACTGGCCTATGAACCAAGGCCGACCTCCCTGTCATCACCATCG  
 ACCCAGCTCCCCGAGTCCCCGAGTCTGTGGACCTGGTGAATGAGGAGTTGAAGGGCAAAGTCCCTTGG  
 GCTAAAGCGGGTCTTAGGACGACTCCGGAAGAGGAAGGAAGATGAGGATGGCGTCATCATGATTCGG  
 AGCAAGGAGCCCTCATCCCAGGCACCGATGATGTCTTACCCCGGACCAAGTACAGCCCGGCTCCC  
 AGAGAATACAACGCTGCCTCAGTGACCCGGGCCCCACCCTGAGCCTGGGAGGGAGAGCCTTTCATCCC  
 CAAAGGGCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR209225 representing NM\_012652  
 Red=Cloning site Green=Tags(s)

MMLRWSGIWLGLYPPRIFPSLLVVVALVGLLPVLRSHGLQLNPTASTIRGSEPPRERSIGDVTTAPSEPLH  
 HPDDRNLTNLYIEHGAKPVRKAFPVLDIDYLHVRTPFEISLWILLACLMKIGFHVIPTEISSIVPESCLLI  
 VVGLLVGGLIKGVGETPPFLQSDVFFLFLPPIILDAGYFLPLRQFTENLGTILIFAVVGTLWNAFFLGG  
 LLYAVCLVGGEQINNIGLLDTLLFGSIIISAVDPVAVLAVFEEIHINELLHILVFGESLLNDAVTVVLYHL  
 FEEFASYEYVGISDIFLGFLSFFVVSLLGGVFGVYGVIAAFTSRFTSHIRVIEPLFVFLYSYMAYLSAE  
 LFHLSGIMALIASGVVMPYVEANISHKSHTTIKYFLKMWSSVSETLIFIFLGVSTVAGSHQWNWTFVIS  
 TLLFCLIARVLGVLVLTWFINKFRIVKLT PKDQFIIAYGGLRGAIASFSLGYLLDKKHFPMDLFLTAIIT  
 VIFFTVFVQGMTIRPLVDLLAVKKKQETKRSINEEIHQTFLDHLDTGIEDICGHYGHWWKDKLNRFNKK  
 YVKKCLIAGERSKEPQLIAFYHKMEMKQAIELVESGGMGKIPSAVSTVSMQNIHPKSAASERILPALSKD  
 KEEEIRKILRSNLQKTRQLRSYNRHTLVADPYEEAWNQMLLRQKARQLEQKITNYLTVPAHKLDSPTM  
 SRARIGSDPLAYEPKADLPVITIDPASPQSPESVDLVNEELKGVGLKRGPRTPPEEEEEDEDGVIMIR  
 SKEPSSPGTDDVFTPGSDSPGSQRIQRCLSDPGPHPEPGEPEPFIPKGQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM\_012652

ORF Size: 2460 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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\\_012652.1](#), [NP\\_036784.1](#)

**RefSeq Size:** 4581 bp

**RefSeq ORF:** 2463 bp

**Locus ID:** 24782

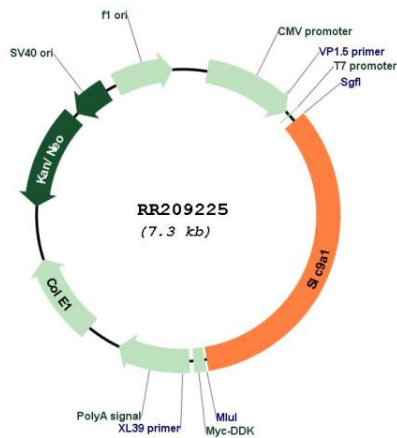
**UniProt ID:** [P26431](#)

**Cytogenetics:** 5q36

**MW:** 91.6 kDa

**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]

### Product images:



Circular map for RR209225