

Product datasheet for **MR210809**

Slc9a1 (NM_016981) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc9a1 (NM_016981) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc9a1
Synonyms:	Apnh; AW554487; mir-5122; Mir5122; Nhe1; swe
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR210809 representing NM_016981
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGCTTCGGTGGTCCGGCGTCTGGGGATTTTCATCCACCTCGGATCTTCCCCTCCTTGCTGGTGGTGG
 TTGCCTTGGTGGGACTGCTACCTGTTCTCAGGAGCCACGGCCTCCAGCACAGCCCTACTGCCAGCACCAT
 CAGAGGTTCTGAACCACCCCGGAACGCTCAATTGGGGATGTACCACGGCACCATCAGAGCCTCTCCAT
 CGCCAGATGACCACAATTTGACCAACTTAATCATTGAACATGGCGGTAAGCCATCTCGAAGGCCTTCC
 CAGTCCTGGACATTGACTACCCTCACGTGCGCACACCCTTTGAGATCTCCCTCTGGATTCTCCTGGCCTG
 CCTCATGAAGATAGGTTTCCATGTGATCCCACCATCTCAAGCATCGTCCCGGAGAGCTGCCTGCTGATC
 GTAGTGGGCTGCTGGTGGGGGCTGATCAAGGGCGTCGGAGAGACGCCCCCTTCTGCAATCAGACG
 TCTTCTCCTCTCCTGCTGCCACCCATCATCCTGGATGCAGGCTACTTCTGCCTCTGCGGCAGTTCAC
 GGAGAACCTGGGACCATCCTGATCTTTGCTGTGGTGGGCACACTGTGGAATGCGTTCTTCTGGGTGGC
 CTCTGTACGCCGTGTGCCTGGTGGGCGCGAGAGATCAACAACATTGGCCTGCTGGACACCCTGCTCT
 TTGGCAGCATCATCTCTGCCGTGGACCCTGTGGCTGTGCTGGCCGTCTTCGAGGAGATCCACATCAACGA
 ACTGCTACACATCCTTGTCTTCGGGGAGTCCCTGCTCAACGATGCCGTCACTGTGGTCTCTATCACCTC
 TTTGAGGAATTTGCCAGCTATGACTCTGTGGGCATCTCGGACATCTTCTCGGCTTCTGAGCTTCTTCG
 TGGTGGCCCTCGGTGGGGTGTGGTGGGGCTGTACGGGGTAAATCGCAGCTTTCACCTCCCGATTTAC
 CTCTCACATCCGGGTATCGAGCCGCTCTTCGTCTTCTACAGCTACATGGCTTACCTGTCAGCTGAG
 CTCTTCCACCTGTCCGGAATCATGGCCCTCATCGCCTCAGGAGTAGTGATGCGCCCCTATGTGGAGGCCA
 ACATCTCCCAAAATCCACACCACCATCAAGTACTTCTGAAGATGTGGAGCAGCGTCACTGAGAGCCCT
 CATCTTCATCTTCTCGGCGTCTCCACTGTGGCCGCTCCACACAGTGGAACTGGACCTTCTGTCATCAGC
 ACCCTGCTCTTCTGCCTCATCGCCCGGGTGTGGGTGTCTGGTCTGACCTGGTTCATCAACAAGTTCC
 GCATTGTCAAGCTGACCCCAAGGACAGTTCATCATTGCCTATGGGGGCTGCGAGGGGCCATCGCCTT
 CTCGCTGGGCTACCTCCTGGACAAGAAGCACTTCCCCATGTGTGACCTGTTCTCACCGCCATCACC
 GTCATCTTTTTCACCGTCTTTGTGCAGGGCATGACCATTTCGGCCCTGGTTCGACCTGTTGGCCGTGAAGA
 AAAAGCAAGAAACAAAGCGCTCCATCAACGAGGAGATCCACACACAGTTCCTGGACCACCTTCTGACAGG
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 TATGTGAAGAAGTGCCTGATAGCAGGAGAGCGCTCCAAAGAGCCCAGCTCATTGCCTTCTACCACAAGA
 TGGAGATGAAGCAGGCCATTGAGCTGGTGGAGAGCGGAGGCATGGGCAAGATCCCATCTGCTGTCTCCAC
 TGTCTCTATGCAGAACATCCACCCCAAGGCTGTGACTTCAGACCCGATCTTGCCAGCACTGTCCAAGGAC
 AAGGAGGAAGAGATCCGCAAAATCTTGAGGAGCAATCTGCAGAAAACCCGGCAACGGCTGCGGTCTATA
 ACAGACACACGCTGGTGGCCGACCCCTACGAGGAAGCCTGGAACCAGATGCTGCTCCGGAGGCAGAAGGC
 CCGGCAGCTGGAGCAGAAGATCACCAACTACCTGACAGTACCGGCCACAAGCTGGACTCGCCACCCTG
 TCTCGGGCCCGCATAGGCTCAGACCCACTGGCCTATGAACCAAGGCAGACCTGCCTGTCATCACCATTG
 ACCCGGCTCCCCACAGTCCCCGAGTCTGTGGACCTGGTGAACGAGGAGTTGAAGGGCAAGGTCTTAGG
 GCTAAACCGGGTCCCAGGGTACTCCGGAGGAGGAGGAAGATGAGGACGGCATCATCATGATTCGG
 AGCAAGGAGCCCTCATCCCAGGCACCGACGACGTCTTACCCCTGGATCAAGTGACAGCCCGAGCTCCC
 AGAGAATACAACGCTGCCTCAGTGACCCAGGCCCCACCCTGAGCCTGGGGAGGGAGAGCCTTTCATCCC
 CAAAGGACAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210809 representing NM_016981
Red=Cloning site Green=Tags(s)

MMLRWSGVWGFHPPRIFPSLLVVVALVGLLPVLRSHGLQHSPTASTIRGSEPPRERSIGDVTTAPSEPLH
RPDDHNLNLIIEHGKPSRKAFVLDIDYPHVRTPFESLWILLACLMKIGFHVIPTEISSIVPESCLLI
VVGLLVGGLIKGVGETPPFLQSDVFFLFLPPPIILDAGYFLPLRQFTENLGTILIFAVVGTLWNAFFLGG
LLYAVCLVGGEQINNIGLLDTLLFGSIIISAVDPVAVLAVFEEIHINELLHILVFGESLLNDAVTVVLYHL
FEEFASYDSVGISDIFLGLSFFVVALGGVFVGVVYGVIAAFTSRFTSHIRVIEPLFVFLYSYMAYLSAE
LFHLSGIMALIASGVVMPYVEANISHKSHTTIKYFLKMWSSVSETLIFIFLGVSTVAGSHQWNWTFVIS
TLLFCLIAARVLGVLVLTWFINKFRIVKLTAKDQFIIAYGGLRGAIASFSLGYLLDKKHFPMDLFLTAIIT
VIFFTVFVQGMTIRPLVDLLAVKKKQETKRSINEEIHQTFLDHLDTGIEDICGHYGHWWKDKLNRFNKK
YVKKCLIAAGERSKEPQLIAFYHKMEMKQAIELVESGGMGKIPSAVSTVSMQNIHPKAVTSDRILPALS
KDEEIRKILRSNLQKTRQRLRSYNRHTLVADPYEEAWNQMLLRQKARQLEQKITNYLTVPAHKLDSPTL
SRARIGSDPLAYEPKADLPVITIDPASPQSPESVDLVNEELKGVGLNRPVTPPEEEEEDEDGIIMIR
SKEPSSPGTDDVFTPGSSDSPSSQRIQRCLSDPGPHPEPGEPEPFIPKGQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9012_h10.zip

Restriction Sites: SgfI-MluI

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_016981.3](#)

RefSeq Size: 4606 bp

RefSeq ORF: 2463 bp

Locus ID: 20544

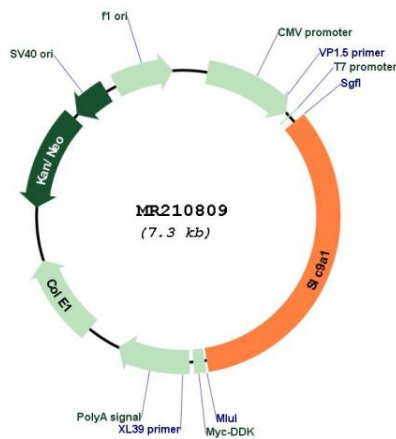
UniProt ID: [Q61165](#)

Cytogenetics: 4 66.25 cM

MW: 91.9 kDa

Gene Summary: Involved in pH regulation to eliminate acids generated by active metabolism or to counter adverse environmental conditions. Major proton extruding system driven by the inward sodium ion chemical gradient. Plays an important role in signal transduction. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210809