

Product datasheet for **MC221864**

Slc9a1 (NM_016981) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc9a1 (NM_016981) Mouse Untagged Clone
Tag:	Tag Free
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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Fully Sequenced ORF: >MC221864 representing NM_016981
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGCTTCGGTGGTCCGGCGTCTGGGGATTTTCATCCACCTCGGATCTTCCCCTCCTTGCTGGTGGTGG
 TTGCCTTGGTGGGACTGCTACCTGTTCTCAGGAGCCACGGCCTCCAGCACAGCCCTACTGCCAGCACCAT
 CAGAGGTTCTGAACCAACCCCGGAACGCTCAATTGGGGATGTACCACGGCACCATCAGAGCCTCTCCAT
 CGCCAGATGACCACAATTTGACCAACTTAATCATTGAACATGGCGGTAAGCCATCTCGAAGGCCTTCC
 CAGTCTGGACATTGACTACCCTCACGTGCGCACACCCTTTGAGATCTCCCTCTGGATTCTCCTGGCCTG
 CCTCATGAAGATAGGTTTCCATGTGATCCCACCATCTCAAGCATCGTCCCGGAGAGCTGCCTGCTGATC
 GTAGTGGGCTGCTGGTGGGGGCTGATCAAGGGCGTCGGAGAGACGCCCCCTTCTGCAATCAGACG
 TCTTCTCCTCTCCTGCTGCCACCCATCATCCTGGATGCAGGCTACTTCTGCCTCTGCGGCAGTTAC
 GGAGAACCTGGGACCATCTGATCTTTGCTGTGGTGGGCACACTGTGGAATGCGTTCTTCTGGGTGGC
 CTCTGTACGCCGTGTGCCTGGTGGGCGCGAGAGATCAACAACATTGGCCTGCTGGACACCCTGCTCT
 TTGGCAGCATCATCTCTGCCGTGGACCCTGTGGCTGTGCTGGCCGTCTTCGAGGAGATCCACATCAACGA
 ACTGCTACACATCCTTGTCTTCGGGGAGTCCCTGCTCAACGATGCCGTCACTGTGGTCTCTATCACCTC
 TTTGAGGAATTTGCCAGCTATGACTCTGTGGGCATCTCGGACATCTTCTCGGCTTCTGAGCTTCTTCG
 TGGTGGCCCTCGGTGGGTGTTTGTGGGCGTGGTACGGGGTAAATCGCAGCTTTCACCTCCCGATTTAC
 CTCTCACATCCGGGTATCGAGCCGCTCTTCGTCTTCTACAGCTACATGGCTTACCTGTCAGCTGAG
 CTCTTCCACCTGTCCGGAATCATGGCCCTCATCGCCTCAGGAGTAGTGATGCGCCCCTATGTGGAGGCCA
 ACATCTCCCAAAATCCACACCACCATCAAGTACTTCTTGAAGATGTGGAGCAGCGTCACTGAGACCCT
 CATCTTTCATCTTCTCGGCGTCTCCACTGTGGCCGCTCCACACAGTGGAACTGGACCTTCTGTCATCAGC
 ACCCTGCTCTTCTGCCTCATCGCCCGGGTGTGGGTGTCTGGTCTGACCTGGTTCATCAACAAGTTCC
 GCATTGTCAAGCTGACCCCAAGGACAGTTCATCATTGCCTATGGGGGCTGCGAGGGGCCATCGCCTT
 CTCGCTGGGCTACCTCTGGACAAGAAGCACTTCCCCATGTGTGACCTGTTCTCACCGCCATCACC
 GTCATCTTTTACCCTCTTTGTGCAGGGCATGACCATTTCGGCCCTGGTTCGACCTGTTGGCCGTGAAGA
 AAAAGCAAGAAACAAAGCGCTCCATCAACGAGGAGATCCACACACAGTTCCTGGACCACCTTCTGACAGG
 CATCGAGGACATCTGTGGTCATTATGGCCACCATCACTGGAAGGACAAGCTCAACCGTTTTAATAAGAAG
 TATGTGAAGAAGTGCCTGATAGCAGGAGAGCGCTCCAAAGAGCCCGAGCTATTGCCTTCTACCACAAGA
 TGGAGATGAAGCAGGCCATTGAGCTGGTGGAGAGCGGAGGCATGGCAAGATCCCATCTGCTGTCTCCAC
 TGTCTCTATGCAGAACATCCACCCCAAGGCTGTGACTTCAGACCCGATCTTGCCAGCACTGTCCAAGGAC
 AAGGAGGAAGAGATCCGCAAAATCTTGAGGAGCAATCTGCAGAAAACCCGGCAACGGCTGCGGTCTATA
 ACAGACACACGCTGGTGGCCGACCCCTACGAGGAAGCCTGGAACCAGATGCTGCTCCGGAGGCAGAAGGC
 CCGGCAGCTGGAGCAGAAGATCACCAACTACCTGACAGTACCGGCCACAAGCTGGACTCGCCACCCTG
 TCTCGGGCCCGCATAGGCTCAGACCCACTGGCCTATGAACCAAGGCAGACCTGCCTGTCATCACCATTG
 ACCCGGCTCCCCACAGTCCCCGAGTCTGTGGACCTGGTGAACGAGGAGTTGAAGGGCAAGGTCTTAGG
 GCTAAACCGGGTCCCAGGGTACTCCGAGGAGGAGGAAGATGAGGACGGCATCATCATGATTCGG
 AGCAAGGAGCCCTCATCCCAGGCACCGACGAGCTTTCACCCCTGGATCAAGTGACAGCCCGAGCTCCC
 AGAGAATACAACGCTGCCTCAGTGACCCAGGCCCCACCCTGAGCCTGGGGAGGGAGAGCCTTTCATCCC
 CAAAGGACAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_016981
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_016981.2 , NP_058677.1
RefSeq Size:	4606 bp
RefSeq ORF:	2463 bp
Locus ID:	20544
UniProt ID:	Q61165
Cytogenetics:	4 66.25 cM
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]