

Product datasheet for **MC221956**

Slc9a3 (NM_001081060) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc9a3 (NM_001081060) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc9a3
Synonyms:	9030624O13Rik; AI930210; NHE-3; NHE3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221956 representing NM_001081060
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTGGCACCCGGCTCTGGGACCAGGGTGAAGCTGCTGTGGCCCTGGCGCTGACCAGCCTGCAAGGCCG
 CGAGGGGGCTGAGGAGGAACCGAGCAGTGATGGGAGCTTCCAGGTGGTACCTTCAAATGGCACCCAGT
 CCAGGATCCATACATCATTGCGCTCTGGATCCTCGTGGCCAGCTTGGCCAAAATCGTCTTTCACCTGTCC
 CACAAGGTACCAGTATCGTCCCGAGAGTGCTCTACTCATCGTTCTGGCCCTGGTGTGGGTGGCATCG
 TCTGGGCAGTGACCACATCGCCTCCTTACACTCACACCCACGCTCTTCTTCTTCTACCTGCTGCCCC
 TATTGTGTGGATGCTGGATACTTATGCCAATCGACTCTTCTTGGCAACCTGGGCACCATTCTGCTA
 TATGCTGCATTGGCACTATATGGAATGCAGCCACCACAGGATTGTCCCTCTATGGTGTCTTCTCAGTG
 GCTTGATGGGTGAAGTAAAATGGACTCCTGGATTTCTTGTGTTGGTAGCCTCATTGCAGCTGTGGA
 CCCAGTGGCTGTGCTGGCTGTGTTTGGGAAGTCCATGTCAATGAAGTCTTTCATCATTGTCTTTGGG
 GAGTCACTGCTGAATGATGCAGTACTGTGGTCTTGTACAATGTTTTGAGTCTTTTGTGACACTGGGTG
 GTGACGCAGTACTGGCGTGGATTGTGTGAAAGGCATAGTGCCTTCTCGTGGTGGCCTGGGGGGCAC
 TCTGGTGGGTGTTATCTTCGCTTCTGCTGTCCCTGGTACTCGCTTACCAAGCATGTGCGTATCATC
 GAGCCTGGCTTCGCTTTTGTCAATTCCTACCTGTCCATCTGACCTCCGAGATGCTGTCTTTGTCAATCA
 TCCTGGCCATCACCTTTTGGCCATCTGCTGTGAGAAGTACGTGAAGGCCAACATCTCAGAGCAGTGGC
 CACCACTGTGGCTACACTATGAAGATGCTGGCAGTGGAGCAGAGACCATTATCTTTATGTTCTGGGT
 ATCTCAGCTGTGAACCCGACATCTGGACATGGAACACAGCTTTTGTGTTGCTGACACTGGTCTTCATT
 CTGTATATCGAGCCATTGGTGTGTTCTGCAGACCTGGATCCTGAATCGTACAGAAATGGTGGTGGT
 AACCATTTGACCAGGTGGTCAATGTCTATGGTGGCCTGCGTGGGGCAGTGGCCTATGCCTTGGTGGTACTT
 CTGGATGAGAAGAAAGTCAAGGAGAAAAATCTGTTTGTGACGACCACTCTCATTGTGTTTTCTTACAG
 TCATCTTTCAGGGCCTGACCATTAAGCCCTGGTGCAGTGGTGAAGGTGAAGAGGAGCGAGCATCGTGA
 GCCAAAGCTCAATGAGAAGCTACATGGCCGGGCTTTCGACCACATCCTCTCAGCCATTGAGGACATCTCA
 GGACAAATTGGACACAATTACCTCAGAGATAAGTGGTCCAATTTTACCAGGAAAGTTCCTCAGCAAAGTCC
 TCATGAGAAGATCTGCTCAAAAATCTCGAGATCGGATCCTGAATGTTTTCCATGAGCTGAATTTGAAGGA
 TGCTATCAGTATGTGGCTGAGGGAGAGCGCCGTGGGTCCCTGGCCTTCTTCCCTCCCAAGTACGGAC
 AATATGGTCAATGTGGACTTCAACACACCCCGCCATCTACTGTGGAGGGCTCTGTCTCATATTTCTTGA
 GGGAAAATGTGAGTGTGTATGCCTGGACATGCAGTCTTGGAAACAGAGCGGAGGAGCATCCGTGACAC
 CGAGGACATGGTCAACCCACACACTGCAACAGTACCTGTACAAGCCTCGGCAGGAGTACAAGCATCTC
 TATAGTCGGCACGAGCTAACACCAATGAGGATGAAAAGCAGGACAAGGAAATCTTTCACAGAACCATGA
 GGAAGCGCCTGGAGTCTTTAAGTCAAGTAAAGTCAAGGATCAACCCAGAAATGAAGAGGCGGCCAAGCTGTA
 CAAGAGGGAGCGGCACAGAAGCGGAGGAATAGCAGCATTCCTAATGGGAAACTGCCTATGGAGAACCCTG
 GCACACAACACTACCATCAAGGAGAAAGATTTGGAACCTTTCAGAGCATGAGGAGGCCACCAACTATGAAG
 AGATCAGTGGAGGCATTGAGTTTCTGGCCAGTGTACCCAGGATGTAGCCTCTGACTCTGGGCAGGAAT
 TGATAATCCCCTGTTCTCCCCTGATGAGGATCTGGACCAAGCATCCTATCCAGGGTCCACCCCTGGCTG
 TCCCCTGGGGAGACCGTGGTGGCCTCCAGAGGGCCCGTGTTCAGATTCCAAACTCTCCAGCAACTTCC
 GCCGCTGACACCATTCCGCTCAGCAAAAATCCGTGGATTCTTCTGCAAGGCTGATGGCCACGAGGA
 ACAGCTCAACCGGCTGCCCCGAGTCCACACACATG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001081060
Insert Size: 2490 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:	<u>NM_001081060.1</u> , <u>NP_001074529.1</u>
RefSeq Size:	2490 bp
RefSeq ORF:	2490 bp
Locus ID:	105243
UniProt ID:	<u>G3X939</u>
Cytogenetics:	13 40.15 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]