

Product datasheet for **RN200478**

Slc9a2 (NM_001113335) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc9a2 (NM_001113335) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc9a2
Synonyms:	Nhe2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN200478 representing NM_001113335
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCCCTCAGGCACTGCGCACAGAATGCGGGCGCCACTGTCTGGCTGCTGCTGCTGCTGCTGCTC
 TGCAGGTGGCAGTGCCGGCGGGCGCACTGGCTGAGACCTGCTGGACGCACCCGGGGCCAGGGGTGCCAG
 CTCCAACCCGCCAAGCCCGCCAGTGTGGTGGCCCGGGGACAACGCCGTTTCGAGGAAAGTCGATTGCC
 GTGTTACCCCTGGATTACCCCCACGTGCAATCCCTTTGAGATCACTTTGTGGATCCTACTGGCTTCCT
 TGGCCAAGATTGGTTTCCATCTCTATCACAAGTTGCCACGATTGTGCCGAGAGCTGTCTTCTCATAAT
 GGTTGGGCTTCTACTAGGTGGGATTATCTCGGTGTCGATGAGAAGTCTCCTCCTGCAATGAAAACGGAT
 GTATTTTCTCTATACCTCCTGCCACCCATTGTTCTGGATGCTGGCTACTTCATGCCTACTCGACCTTCT
 TTGAGAACTTGGGCACCATTTTCTGGTATGCTGTGGTAGGCACACTGTGGAATTCATTGGCATTGGGCT
 GTCTTTGTTTCGGCATCTGCCAGATTGAGCGTGTGGCCTCAGCGACATCACCTTGCTCCAGAACCTGCTC
 TTCGGCAGCCTGATCTCAGCTGTGGACCTGTGGCTGTGCTTGCTGTCTTTGAGAACATTGATGCAATG
 AACAGCTCTATATCCTGGTTTTTGGCGAGTCTCTGCTCAACGATGCAGTCACAGTGGTCCTGTACAACTT
 GTTCAAATCCTTCTGCCAGATGAAGACCATCCAGACCGTAGACGTGTTTGCTGGCATCGTAACTTCTTC
 GTAGTGGGGATTGGCGGGTGCTGATTGGTATCCTGCTGGGATTCATAGCAGCGTTACCCACCGTTTCA
 CACACAACATCCGGGTCAATTGAGCCGCTCTTGTCTTCTGTACAGCTACTTGTCTACATCACTGCTGA
 AATGTTCCACCTTTCAGGCATCATGGCGATCACAGCCTGTGCCATGACGATGAACAAGTATGTGGAAGAG
 AACGTGTCCAGAAGTCTACACGACCATCAAGTACTTCATGAAGATGCTGAGCAGCGTGAGTGAGACCC
 TCATCTTCATCTTCATGGCGTGTCCACCGTTGGGAAGAACCATGAGTGGAAGTGGGCTTTCGTCTGCTT
 CACCTGGCCTTCTGCCTGATCTGGCGAGCACTGGGTGTCTTTGCTCCTGACTCAGGTGATTAATTGGTTC
 CGGACCATCCCACTGACCTTCAAGGACCAAGTTCATCATTGCCTATGGAGGGCTCCGCGGGGCCATCTGCT
 TTGCACTGGTGTCTCTCCTCCTGCTACTGTGTTTCCCGAAAGAAGCTGTTTCATCACAGCTGCCATCGT
 CGTTATATTCTTCACTGTCTTCATCCTGGGAATAACCATCCGGCCACTGGTGGAATTTCTTGATGTTAAG
 AGATCCAATAAGAAGCAGCAAGCTGTCAAGTGAAGAGATCCACTGTCGGTTTTTTGATCATGTGAAGACTG
 GGATTGAAGATGTTTGTGGCACTGGGGTCACAACTTCTGGAGAGACAAGTTTAAGAAATTTGATGACAA
 ATACCTTCGGAAGCTTCTGATTCCGGGAAAACCAACCAAGTCTAGCATTGTGCTTATATAAAAGCTT
 GAAATAAAACATGCCATAGAGATGGCAGAGACAGGGATGATAAGCACTGTCCCCTCATTTGCATCTCTCA
 ACGACTGCCGTGAAGAGAAAATAAGGAAGCTCACGCCAGGAGAAATGGATGAAATTAGAGAGATATTGTC
 AAGGAATCTCTATCAAATCCGCCAGCGGACCTGTCTACAACAGACACAACCTGACGGCAGACACAAGT
 GAGAGGCAAGCCAAGGAGATCTTGATTCCGCCAGGCACAGTCTTCGGGAAAGTCTTAGGAAGGACAACA
 GCTTAAACCGCAGCGCAGGGCTTCTACTTCAACCTCCCGATATTTATCCTTACCTAAAAACACAAGCT
 TCCCGAGAAGTTGCAGAAGAAGAATAAGGTTTCAAATGCAGATGGTAATAGCAGCGACTCGGACATGGAT
 GGAACCACTGACTCAATTTGCAGCCAGGGCCAGGCGCTTCTTGCCAGATCAGTTCTCAAAGAAAGCCT
 CACCAGCCTACAAATGGAATGGAAGAATGAGGTGGACGTGGGTCTGCGCGAGCGCCCCCAGCGTCAC
 TCCAGCGCCTCGCAGTAAAGAGGGGGCACCCAGACACCAGGGGTGCTGAGGCAGCCCCCTGCTCTCCAAA
 GACCAACGGTTTGGCCGGGGCAGGGAAGACAGTTTGACTGAAGATGTTCCACCAAGCCCCCACCAGGT
 TGGTGCGACGAGCATCAGAACCCGAAATAGGAAAGGCCGCTTGGAACGAAAAGCCA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001113335

Insert Size: 2442 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001113335.1, NP_001106806.1</u>
RefSeq Size:	3942 bp
RefSeq ORF:	2442 bp
Locus ID:	24783
UniProt ID:	<u>P48763</u>
Cytogenetics:	9q22
Gene Summary:	displays Na⁺/H⁺ exchange activity; may play a role in apical membrane Na⁽⁺⁾/H⁽⁺⁾ exchange in the distal convoluted tubule of the kidney [RGD, Feb 2006] Transcript Variant: This variant (1) encodes the longer isoform (1).