

Product datasheet for **RN201530**

Slc9a5 (NM_138858) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc9a5 (NM_138858) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc9a5
Synonyms:	Nhe5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN201530 representing NM_138858
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCTGCGCGTCGCACTGCTTCTTCTGCCCGGGTTGCCCTAGCTGGAGTGGGGGCCACAGAAGAACCCA
 CCCAGGAGCCGGGGCCGTTAGGTGAGCCTCCAGGCTTGGCGCTCTTCCGCTGGCAGTGGCAGGAGTGGA
 GGCGCCCTACCTGGTGGCCCTGTGGATCCTGGTGGCCAGCTTGGCCAAAATCGTGTTCACCTGTCTCGG
 AAGGTGACGTCTCTGGTCCCTGAGAGCTGCCTGCTGATTTTGTGGGCTGGCGTTAGGGGGCATTGTCT
 TAGCTGTGGCCAAGAAGGCTGAGTACCAGCTGGAGCCGGGACCTTCTCCTTTTCTGCTCCCTCCCAT
 CGTGCTAGACTCTGGCTATTTTCATGCCGAGCCGGCTGTTTTTGGCAACTTGGTGCCATTCTCACCTAT
 GCCGTGGTGGGCACGCTGTGGAACGCCTTCACAACAGGTGTTGCCCTTTGGGGCTGCAGCAGGCTGGAC
 TTGTGGCTCCTAGGCTACAGGCTGGCCTGCTGGACTTCTTGTCTTTGGAAGCCTCATCTCAGCGGTGGA
 CCCTGTGGCTGTGTTGGCTGTCTTTGAGGAGGTGCACGTCATGAGACCCTCTTATCATGCTCTTCGGC
 GAGTCCCTGCTTAATGATGCAGTAACGCGGTGCTGTACAAGGTCTGCAACTCCTTTGTGGAGATGGGT
 CTGCCAACGTGCAGGCCACTGACTACCTAAAGGGAGTCGCTCCCTGTTGTGGTCACTGTTGGCGGGG
 AGCCGTGGGCTTAGTCTTTGCCTTCTCCTGGCCCTGACCACACGCTTCACCAAGCGGTCGCGATCATC
 GAGCCGTTGCTGGTCTTCTCCTCGCCTATGCAGCCTACCTACTGCCGAAATGGCCTATTGTCTGCCA
 TTCTTGCGGTGACCATGTGTGGCTGGGATGTAAGAAGTATGTGGAGGCCAACATCTCCCATAGTCACG
 CACAGCTGTGAAATACACAATGAAAACGCTTGCAGCTCCGCAGAAACGGTCATCTTCATGCTCCTTGGC
 ATCTCAGCCGTGGACTCTTCAAATGGGCTGGGACTCTGGGCTGGTGTGGGACCCCTCTTCTTCATCC
 TGTTCTTCCGAGCCCTCGCGTAGTCTGCAGACGTGGGTGCTGAATCAGTTCGGCTGGCCCTCTGGA
 CAAGATTGACCAGGTGGTATGTCCTATGGGGGCTTCCGGGGGCTGTGGCCTTTGCTCTCGTCATCCTA
 CTGGACAGGACCAAGGTCCCTGCCAAGGACTACTTTGTGGCCACCACTATTGTGGTGGTCTTCTTCACAG
 TCATCGTGCAGGGTTTGACCATCAAGCCACTGGTCAAGTGGCTGAGGGTGAAGAGGAGTGATTACCACAA
 ACCCACCTTGAACCAGGAGCTACACGAGCACACTTTTGACCACATTCTGGCTGCAGTGGAGGACGTTGTG
 GGGACCATGGCTACCACTACTGGAGGGACAGGTGGGAGCAGTTTGACAAGAAGTACCTGAGCCAGCTCT
 TGATGCGCGGTGAGCCTATCGTATCCGAGACCAGATCTGGGATGTGACTACAGGCTCAACATCCGAGA
 CGCCATCAGCTTTGTGGACAGGGAGGCCACGTCTTGTCTCCGCGGACTCACTCTACCCTCTATGCCT
 AGCAGAACTCTGTGGCAGAGACTTCTGTACCAACCTGTTGAGGAGAGCGGCAGTGGAGCGTGTCTGG
 ATCTGCAGGTGATTGACACAGTACGCAGTGGCCGAGACCAGAGGATGCTGTGATGCATCATCTGCTCTG
 CGGAGGCCTCTACAAGCCACGGCGCAGGTACAAAGCTAGCTGCAGCCGCCACTTCATCTCAGAGGACGCC
 CAGGAGCGACAGGACAAGGAGGTCTTCCAGCAGAACATGAAGAGACGGCTCGAGTCTTTTAAAGTCCACCA
 AACATAACATCTGTTTACCAAGAGCAACCTCGACCCGCAAGACCGGCCATAAGAAGAAGGATGGTGT
 GGCTAATCCCGAAGCTACAAATGGGAAGCCTCTCGAGACCTGGGCTTTTACAGGACACAGCTGCTGTGATC
 CTAAGTGTGGAGTCTGAGGAGGAGGAAGAAAGTGAAGTTCAGAGACAGAGAAAGAAGATGATGAAGGGA
 TCATCTTCGTGGCTCGAGCCACCACTGAGGTTCTCAAGAAGGCAAGTCTCAGGAAGCCTCGAGGTGTG
 TCCGAGCCACGCATCATCCCCCATCCCCGACCTGCGCGGAGAAAGAGTACCCTGGAAGAGTGGGCAG
 GGAGACCTGGCTGTGATGTGTCTTCAGAAACAACCAAGATCGTGCCTGTGGACATGCAGACAGGCTGGA
 ACCAGAGCATCTCATCCCTGGAGAGCCTGGCATCCCCCTCCTGTACCCAGCCCCGACTTTAAACCGCTT
 ACCTCCCCACCACTCGTCCCTGAAGAGCCCCAGGTTCTCTTGACCTGTCTTCTGACCTCGCTCTAGC
 TTTGCTTTCCCCCAAGCCTGGCCAAAGCTGGCCGTTCTCGCAGTGAGAGCAGCGCCGACATCCCGCAGC
 AGCAGGAGCTGCAACCCCTCATGGGCCACAAGGACCACACTCATCTTAGTCCAGGCCCTGCCAACTCCCA
 CTGGTGCATCCAGTTCAACAGAGGAGGCAGGCTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_138858

Insert Size:	2697 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.
RefSeq:	<u>NM_138858.1, NP_620213.1</u>
RefSeq Size:	4174 bp
RefSeq ORF:	2697 bp
Locus ID:	192215
UniProt ID:	<u>Q9Z0X2</u>
Cytogenetics:	19q12
Gene Summary:	facilitates Na ⁺ /H ⁺ exchange which is insensitive to the amiloride analogue [RGD, Feb 2006]