

Product datasheet for **RR209567**

Slc9a3 (NM_012654) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc9a3 (NM_012654) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc9a3
Synonyms:	Nhe3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RR209567 representing NM_012654
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGCACCCGGCTCTGGGACCAGGTTGGAAGCCGCTGCTGGCGCTGGCCGTGACCAGCCTGC
 GAGGCGTGAGGGCATTGAGGAGGAACCGAACAGTGGTGGGAGCTTCCAGATAGTCACCTTCAAATGGCA
 CCACGTCCAGGATCCATACATCATCGCACTCTGGATCCTCGTGGCCAGCTTGGCCAAAATCGTCTTCCAT
 CTGTCCCAACAAGGTCACCAAGTGTGTCCCGGAGAGTGTCTGCTCATCGTTCTGGGCTGGTGTGGGCG
 GCATCGTCTGGGAGCTGACCACATCGCCTCCTTACACTCACACCCACACTCTTCTTCTTCTACCTGCT
 GCCCCTATTGTGTGGATGCTGGGTACTTCATGCCCAATCGACTCTTCTTTGGCAACCTGGGCACCATC
 CTGCTATATGCTGTCATTGGCACTATATGGAACGCAGCTACCACAGGATTGTCCCTCATGGTGTCTTCC
 TCAGTGGCCTGATGGGCAACTGAAGATCGGCCTCCTGGATTTCTGCTATTTGGCAGCCTCATTGCAGC
 TGTGGACCCGGTGGCTGTGCTGGCTGTGTTTGGAGAAAGTCCATGTCAATGAAGTCTGTTTATCATTGTT
 TTTGGGGAGTCACTGCTTAATGACGCGGTGACTGTGGTCTGTACAATGTGTTTGTAGTCTTTCGTGACGC
 TGGGTGGTGTGAGTACTGGCGTGGACTGTGTGAAAGGCATAGTGTCTTCTTCGTGGTGGAGCCTGGG
 GGGCACTCTGGTGGGTGTGATCTTCGCCTTCTGCTGTCTTGGTACTCGTTTACCAAGCATGTGCGT
 ATCATCGAGCCTGGCTTCGTCTTTGTCATTTCTACCTGTCTATCTGACCTCCGAGATGCTGTCTTGT
 CAGCCATCTGGCCATCACCTTTTGTGGCATCTGCTGTGAGAAGTACGTGAAGGCCAACATCTCAGAGCA
 GTCGGCCACCACCGTGCCTACACTATGAAGATGCTGGCAAGTGGAGCAGAGACCATTATCTTATGTTT
 CTGGGCATCTCGGCTGTGGACCCCGTCACTGGACATGGAACACAGCTTTTGTGTGCTGACACTGGTGA
 TCATTTCTGTATACCGAGCCATTGGTGTGTTCTGCAGACCTGGATCCTGAATCGCTACCGCATGGTGA
 GCTAGAGACCATTGACCAGGTGGTGTGCTTACGGTGGCTGCGTGGGCAAGTGGCCTATGCCTTGGTG
 GTACTTCTGGATGAGAAAAAGTCAAGGAGAAAAACCTGTTTGTGAGCACCACACTCTCATTGTGGTCTTCT
 TCACAGTCATCTTTCAGGGCCTGACCATTAAGCCCTGGTGCAGTGGCTGAAGGTGAAGAGGAGCGAGCA
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 AAGTCTCATGAGAAGATCTGCTCAAAAATCTCGAGATCGGATCCTGAATGTTTTCCATGAGCTGAATTT
 GAAGGATGCCATTAGCTATGTGGCCGAGGAGAGCGCCGTGGGTCCCTGGCCTTCATTGCTCCCAAGT
 ACGGACAATATGGTCAATGTGGACTTCAGCACACCCCGCCATCTACAGTGGAGGCATCCGTCTCCTATT
 TCTTGAGGGAAAATGTCAGTGTGTATGCTGGACATGCAGTCCCTTGAACAGAGGCGGAGGAGCATCCG
 TGACACCGAGGACATGGTCACCCACCACAGTTGCAGCAGTACCTCTACAAGCCTCGGCAGGAGTACAAG
 CATCTCTACAGTCGGCACGAGCTCACACCCAATGAGGATGAGAAGCAGGACAAGGAGATCTTCCACAGGA
 CCATGCGGAAGCGCTGGAGTCTTTAAGTCGGCTAAGCTGGGCATCAACCAGAACAAAGAAGGCAGCCAA
 GCTATATAAGAGGGAGCGGCACAGAAAGCGGAGGAATAGCAGCATTCTAATGGGAAGCTGCCTATGGAG
 AATCTGGCACACAACCTCACCATCAAGGAGAAAGATTTGGAACCTTCAGAGCCTGAGGAGGCCACCAACT
 ATGAAGAGATCAGTGGAGCATTGAATTTCTGGCCAGCGTCACCAAGATGTAGCCTCTGACTCTGGGCG
 AGGAATTGATAATCCTGTGTTCTCCCTGACGAGGATCTGGACCCAAGCATCCTATCCAGGGTGGCCACC
 TGGCTGTCCCCTGGGAGACTGTGGTCCCTCCCAGAGGGCCCGTGTCCAGATTCCCAACTCTCCAGCA
 ACTTCCGCGCCTGACTCCATTCCGCTCAGCACAAATCAGTGGATTCTTCTGCAGGCTGATGGCC
 CGAGGAACAGCTCCAACCGCTTCCCCTGAGTCCACACATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR209567 representing NM_012654
Red=Cloning site Green=Tags(s)

MWHPALGPGWKPLLALAVAVTSLRGVGRGIEEEPNSGGSFQIVTFKWHHVQDPYIIALWILVASLAKIVFH
LSHKVTSVVPESALLIVLGLVLGGIVWAADHIASFTLTPTLFFFYLLPPIVLDAGYFMPNRLFFGNLGTI
LLYAVIGTIWNAATTGLSLYGVFLSGLMGELKIGLLDFLLFGSLIAAVDPVAVLAVFEEVHVNEVLFIIIV
FGESLLNDAVTVVLVNVFESFVTLGGDAVTGDCVKGIVSFFVVSLLGGTLVGVIFAFLLSLVTRFTKHVR
IIEPGFVVISYLSYLTSEMLSLSAILAITFCGICCCQKYVKANISEQSATTVRYTMKMLASGAETIIFMF
LGISAVDPVIWTWNTAFVLLTLVVISVYRAIGVVLQTWILNRYRMVQLETIDQVVMSYGGLRGAVAYALV
VLLDEKKVKEKNLNFVSTTLIVVFFTVIFQGLTIKPLVQWLKVKRSEQREPKNLNEKLHGRAFDHILSAIED
ISGQIGHNYLRDKWSNFRKFLSKVLMRRSAQKSRDRILNVFHELNLKDAISYVAEGERRGSLAFIRSPS
TDNMVNVDFSTPRPSTVEASVSYFLRENVSAVCLDMQSLEQRRRSIRDTEDMVTHHTLQQYLKPRQEYK
HLYSRHELTPNEDEKQDKEIFHRTMRKRLSEFKSAKLGINQNKKAALYKRERAQKRRNSSIPNGKLPME
NLAHNFTIKEKDLELSEPEEATNYEEISGGIEFLASVTKDVASDSGAGIDNPVFSPEDELDPSILSRVPP
WLSPGETVVPSQRARVQIPNSPSNFRRLTPFRLSNKSVDSFLQADGPPEQLQPASPESTHM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-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_012654.1](#), [NP_036786.1](#)

RefSeq Size: 5153 bp

RefSeq ORF: 2496 bp

Locus ID: 24784

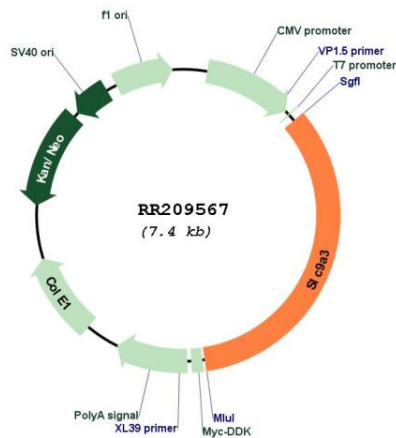
UniProt ID: [P26433](#)

Cytogenetics: 1p11

MW: 93.1 kDa

Gene Summary: displays Na⁺/H⁺ exchanger transport activity; mediates sodium ion transport across the renal proximal tubule [RGD, Feb 2006]

Product images:



Circular map for RR209567