

Product datasheet for **RC210976**

SLC9A3 (NM_004174) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC9A3 (NM_004174) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLC9A3
Synonyms:	DIAR8; NHE-3; NHE3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RC210976 representing NM_004174
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTGGGGACTCGGGCCCGGGGCCCGACCGGGGGCTGTGCTGGCGCTGGCGTGGCGGGCTGGCGC
 GGGCCGGGGCGTCGAGGTGGAGCCCGGGCGCGCACGCGGAGAGCGGGGGCTTCCAGGTGGTCACTT
 CGAGTGGGCCACGTGCAGGATCCCTACGTCATCGCGCTCTGGATCCTCGTGGCCAGCTTGGCCAAGATC
 GGGTTCCACCTGTCCCACAAGGTCACCAGCGTGGTTCCCGAGAGCGCCCTGCTCATCGTGTGGCCTGG
 TGCTGGGCGGCATCGTCTGGGCGCCGACCACATCGCGTCTTACACTGACGCCACCCTTCTTCTTCT
 CTACCTGTGCCCCCATCGTCTGGACCGCGCTACTTCATGCCAACCGCCTTCTTTCGGCAACCTG
 GGGACCATCTGTGTACGCCGTGTGGTACCGTGTGGAACCGCGCCACCACCGGGCTGTCCCTTACG
 GCGTCTTCTCAGTGGGCTCATGGGCGACTGCAGATTGGGCTGTGGACTTCTCTGTGGCAGCCT
 CATGGCGGCTGTGGACCCGGTGGCCGCTCTGGCCGTGTTGAGGAGGTCCATGTCAACGAGGTCCTGTT
 ATCATCGTCTCGGGGAGTCGCTGTGAACGACGAGTACCGTGGTTCTGTACAATGTGTTGAATCTT
 TCGTGGCGCTGGGAGGTGACAACGTGACTGGCGTGGACTGCGTGAAGGGCATAGTGTCTTCTCGTGGT
 GAGCCTGGGGGACGCTGGTGGGGTGGTCTTCGCTTCTGTGCTGCGTGGTGGCGGCTTACCAAG
 CATGTGCGTATCATCGAGCCCGCTTCTGTTCATCATCTCTACCTGTCTACCTGACGTCCGAGATGC
 TGTGCTGTGGCCATCTCGCCATCACCTTCTGTGGCATCTGCTGTGAGAAGTATGTGAAGGCCAACAT
 CTCGGAGCAGTCGGCCACCACCGTGGCTACACCATGAAGATGCTGGCCAGCAGCGCCGAGACCATCATC
 TTCATGTTCTGGGTATCTCGGCCGTGAACCCGTTTCATCTGGACCTGGAACACGGCCCTCGTGGCTCTGA
 CGCTGGTCTTCTCCTGTGACCGGGCCATCGGTGTGGTCTGCAGACCTGGCTTCTGAACCGTACCG
 CATGGTGCAGCTGGAGCCATTGACCAGGTGGTCTGTCTACGGGGCCCTGCGCGGGGCGTGGCCCTT
 GCCCTGGTGGTGTCTTGGATGGAGACAAGGTCAAGGAGAAGAACCCTGTTGTCGTCAGCACCCATCATCG
 TAGTGTCTTCCACGTCATCTTCCAGGGCTGACCATCAAGCCTCTGGTGCAGTGGCTGAAGGTGAAGAG
 GAGCGAGCACCGGAACCTCGGCTCAACGAGAAGTGCACGGCCGCGCTTTCGACCACATCTCTCGGCC
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 TCCTCAGCAGGGTCTCATGAGACGGTGGCCGAGAGTCTCGAGACCGGATCCTGAATGTCTTCCACGA
 GCTGAACCTGAAGGATGCCATCAGTACGTGGCTGAGGGAGAGCGCCGCGGGTCCCTGGCCTTATCCGC
 TCCCCAGCACCGACAACGTGGTCAACGTGGACTTCACGCCACGATCGTCCACCGTGGAGGCTCTGTCT
 CCTACCTCCTGAGAGAAAATGTCAGCGCTGTCTGCTGGACATGCAGTCTCTGGAGCAGCGACGGCGGAG
 CATCCGGGACCGGAGGACATGGTCAACGACACACGCTACAGCAGTACCTGTACAAGCCGCGGAGGAG
 TACAAGCATCTGTACAGCCGACACGAGCTCACGCCACGGAGGACGAGAAACAGGACCGGGAAATCTTCC
 ACAGGACCATGCGGAAGCGCCTGGAGTCTTCAAGTCGACCAAGCTGGGGCTCAACCAGAACAGAAAGGC
 GGCAAGCTGTACAAGCGGGAGCGTGGCCAGAAGCGGAGAAACAGCAGCATCCCCAATGGGAAGTGGCC
 ATGGAGAGCCCTGCGCAGAATTTACCATCAAGGAGAAAGACTTGAACCTTTCAGACCCGAGGAGCCCC
 CCAACTATGATGAGGAGATGAGTGGGGGATCGAGTTCCTGGCTAGTGTACCAAGGACACACGCTCCGA
 CTCCCCGCAGGAATTGACAACCTGTGTTTTCTCCGGACGAGGCCCTGGACCGCAGCCTCTGGCCAGG
 CTGCCGCCCTGGTGTCTCCCGGGGAGACGGTGGTCCCCCTGCAGAGGGCCCGCACGCAGATTCCCTACT
 CTCCCGGCACCTTCGCCGCTGATGCCCTTCGCCTCAGCAGCAAGTCCGTGGACTCCTTCTGCAGGC
 AGACGGCCCCGAGGAGCGGCCCCCGCCGCTCCCCGAGTCCACACACATG

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC210976 representing NM_004174
Red=Cloning site Green=Tags(s)

MWGLGARGPDRGLLLALALGGLARAGGVEVEPGGAHGESSGGFQVVTFEWAHVQDPYVIALWILVASLAKI
GFHLSHKVTSVVPESALLIVLGLVLGGIWAADHIASFLLTPTVFFFYLLPPIVLDAGYFMPNRLFFGNL
GTILLYAVVGTWNAATTGLSLYGVFLSGLMGDLQIGLLDFLLFGSLMAAVDPVAVLAVFEEVHVNEVLF
IIVFGESLLNDAVTVVL YNVFESFVALGGDNVTGVDCVKGIVSFFVVSLLGGTLVGVVFAFLLSLVTRFTK
HVRIIEPGFVFIIISYLSYLTSEMLSAILAITFCGICCCQKYVKANISEQSATTVRYTMKMLASSAETII
FMFLGISAVNPF IWTWNTAFVLLTLVVISVYRAIGVVLQWLLNRYRMVQLEPIDQVVL SYGGLRGAVAF
ALVVLDDGDKVKEKNL FVSTTII VVFFTVIFQGLTIKPLVQWLKVKRSEHREPRLNEKLHGAFDHILSA
IEDISGQIGHNYLRDKWSHFDRKFLSRVLMRRSAQKSRDRILNVFHELNLKDAISYVAEGERRGSLAFIR
SPSTDNVVNDFTPRSSTVEASVSYLLRENVSAVCLDMQSLEQRRRSIRDAEDMVTHHTLQQYLKPRQE
YKHLYSRHELTPTEDEKQDREIFHRTMRKRLESFKSTKGLNQNKKAACLKRRERAQKRRNSSIPNGKLP
MESPAQNFTI KEKDLELSDTEPPNYDEEMSGGIEFLASVTKDTASDSPAGIDNPVFSPEALDRSLLAR
LPPWLSGETVVP SQRARTQIPYSPGTFRRLLMPFRLSSKSVDSFLQADGPEERPPAALPESTHM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg3276_h09.zip

Restriction Sites: Sgfl-Mlul

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_004174.4](#)

RefSeq Size: 2584 bp

RefSeq ORF: 2505 bp

Locus ID: 6550

UniProt ID: [P48764](#)

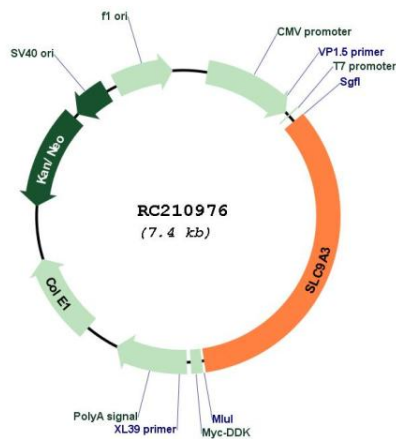
Cytogenetics: 5p15.33

Protein Families: Druggable Genome, Transmembrane

MW: 92.7 kDa

Gene Summary: The protein encoded by this gene is an epithelial brush border Na/H exchanger that uses an inward sodium ion gradient to expel acids from the cell. Defects in this gene are a cause of congenital secretory sodium diarrhea. Pseudogenes of this gene exist on chromosomes 10 and 22. [provided by RefSeq, Mar 2016]

Product images:



Circular map for RC210976