

Specifications:

Gene:	hSLC9A3
Accession:	NP_004165
Insert size:	2518bp
Concentration:	10µg at 0.2µg/µL

hSLC9A3 cDNA Plasmid

SLC9A3 solute carrier family 9, subfamily A (NHE3, cation proton antiporter 3), member 3 [*Homo sapiens*]

Also known as: NHE3

Summary:

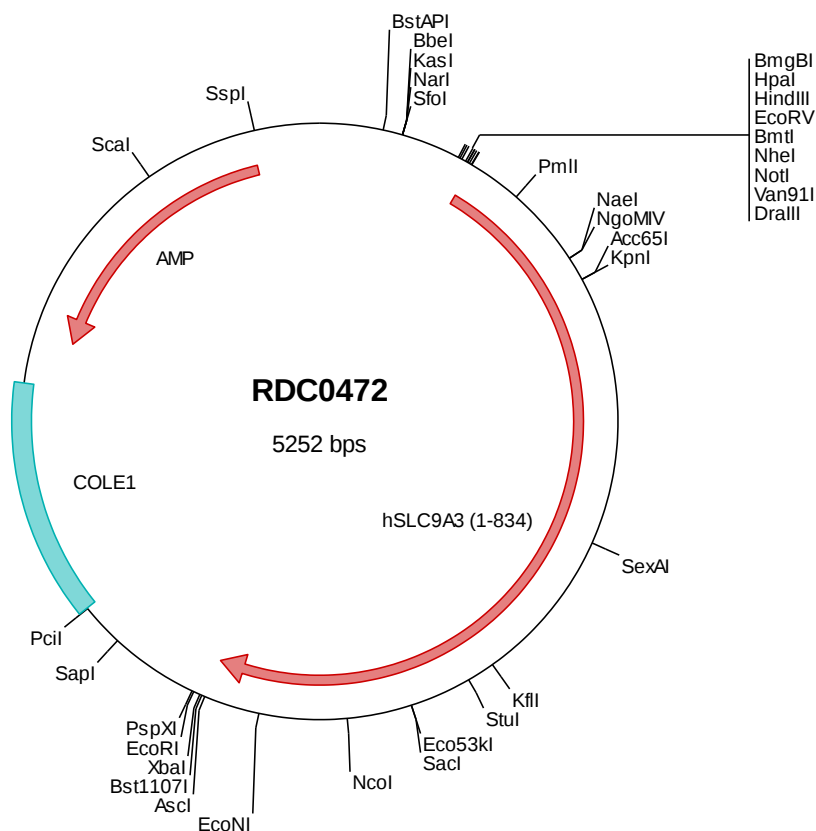
Na(+)/H(+) exchanger 3 (NHE3), also known as SLC9A3, plays an important role in neutral Na(+) transport in mammalian epithelial cells. SLC9A3 is acutely up- and down-regulated in response to some G protein-coupled receptors, tyrosine kinase receptors, and protein kinases. It is involved in pH regulation to eliminate acids generated by active metabolism or to counter adverse environmental conditions. SLC9A3 was demonstrated to be a modifier of intestinal disease in a murine model of CF.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.





> RDC0472 Plasmid DNA Sequence

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101  tcaggggcgc tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
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501  ggcgttcggc gggcttcggc cgtcgaggtg gagcccgcg gcgcgcacgg cgagagcggg ggcttcagg tggtocacct cgagtgggco
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701  agagcgccct gctcatcgtg ctgggctcgt tgctggcgcg catcgctcgt gcggcgacac acatcgcgto cttcacactg acgccccacg tctttctctt
801  ctacctcgtt ccccccatgg tgctggacgc cggctacttc atgccccacc gcctcttctt cggaacctcg gggaccatcc tggtgtacgc cgctgtgggt
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2001 ggctctcatg agacggtcgg cccgagtcg tcgagaccgg atcctgaatg tccttccacga gctgaacctg tcagctacgt gcgtgacgtg ggctgaggga
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> RDC0472 Translated Insert Sequence

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201  eevhvnvevlf iivfgeslln dautvvlynv fesfvalggd nvtgvdvcvk ivsffvvsig gtlvgvvfaf llslvtrftk hvriiepgfv fiisylsytl
301  semlsisail aitfcgiccg kyvkaniseq sattvrytmk mlassaetii fmflgisavn pfiwtwntaf vlltlvfisv yraigvvlgt wllnryrmvq
401  lepidqvvis ygglrgavaf alvllldgdk vkeknlfvst tiivvfttvi fggltikplv qwlkvkrseh replneklh grafdhilsa iedisgqigh
501  nylrdkwshf drkflsrvlm rrsaqksrdr ilnvfhelnl kdaisyvaeg errgslafir spstdnvvnv dftprsstve asvsyllren vsavclmqs
601  leqrrrsird aedmvthtlt qqylkprqe ykhlysrhel tptedekqdr eifhrtmkr lesfkstkig lnqnkkaakl ykrraqkrr nssipngklp
701  mespaqnfti kekdlslsd eepnydeem sggieflav tkdtasdsps gidnpvfspd ealdrslar lppwlsppet vvpssqrartq ipyspgtfer
801  lmpfrlssks vdsflqadgp eerppaalpe sthm
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