*h*SLC9A6 VersaClone cDNA

Catalog Number: RDC0499

Specifications:

Gene:	*h*SLC9A6
Accession:	NP_001036002
Insert size:	2119bp
Concentration:	10µg at 0.2µg/µL

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

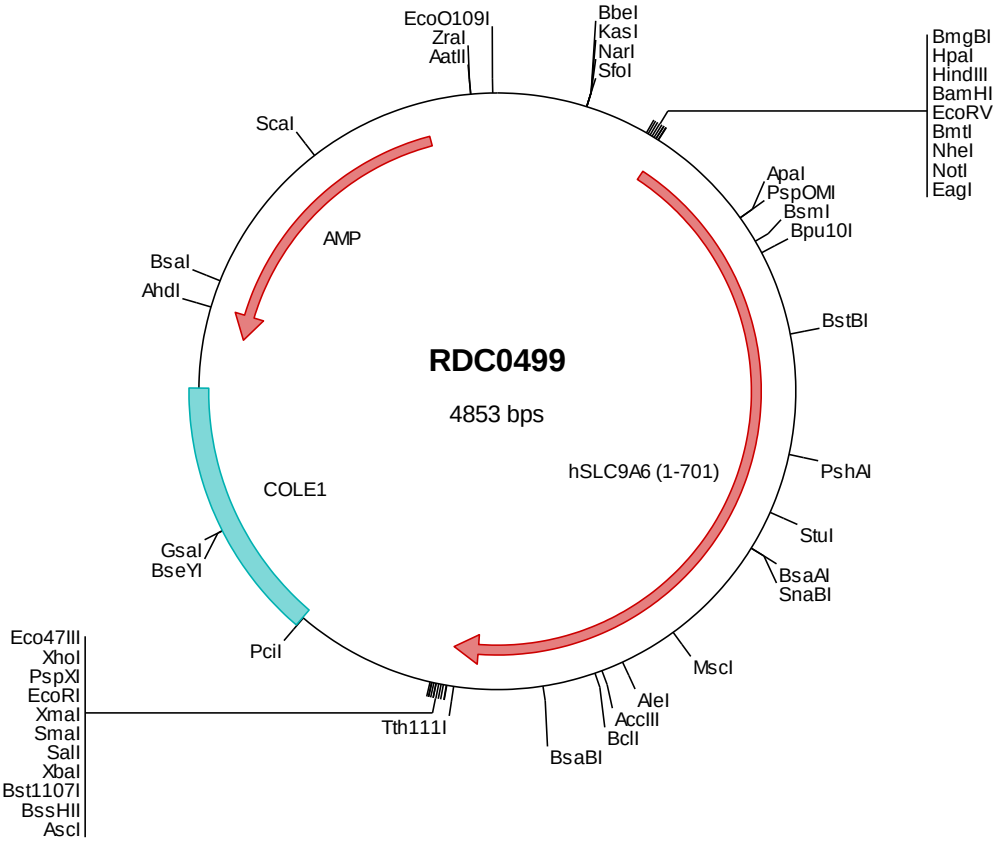
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*SLC9A6 cDNA Plasmid

SLC9A6 solute carrier family 9, subfamily A (NHE6, cation proton antiporter 6), member 6 [*Homo sapiens*]

Also known as: MRSA; NHE6

Summary:
SLC9A6 is a sodium-hydrogen exchanger that is a member of the solute carrier family 9. It localizes to early and recycling endosomes and may be involved in regulating endosomal pH and volume. Defects in SLC9A6 are associated with X-linked syndromic mental retardation, Christianson type. Alternate splicing results in multiple transcript variants.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0499 Plasmid DNA Sequence

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   1  tcgcgcgttt cggtgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atggctcgac gaggctggcg acgggcaccc ctccgccgtg gcgtcggcag
 501  cagtccccga gcccgcaggc tcatgcggcc cctttggttg ctcctcgcag tgggcgtctt tgactgggca ggggcttcgg acggcggcgg cggagaggct
 601  agagccatgg acgaggagat cgtgtccgag aagcaagccg aggagagcca ccggcaggac agcgccaacc tgctcatctt catcctgctg ctcaccctca
 701  ccattctcac aatctggctc ttcaagcacc gccgggcccg cttcctgcac gaaaccggcc tggctatgat ttatggtctt ttggtgggcc ttgtgcttcg
 801  gtatggcatt catgttccga gtgatgtaaa taatgtgacc ctgagctgtg aagtgcagtc aagtccaact accttactgg taaatgttag tggaaaattt
 901  tatgagtata tgctgaaagg agagattagt tcacatgaac tcaataatgt tcaagataat gaaatgctta gaaaggttac ttttgatcca gaagtatttt
1001  tcaacatatt acttcctcct atcatatttt atgcaggtta tagcctgaaa aggagacatt tttttcgaaa tcttgggtct atcctagcat acgcttttct
1101  tggaacagca atttcttgtt tcgttattgg gtcaataatg tatggctgtg taacgctgat gaaggtaacg ggacaacttg caggagattt ttactttaca
1201  gattgcctac tgtttggtgc cattgtatca gcaactgatc cagtgactgt tcttgctata ttccacgagc ttcaagttga tgttgaactc tatgcacttc
1301  tttttggtga aagtgtcctc aatgatgctg ttgccatagt gctgtcctcc tcaatagtgg cataccagcc agctggagac aacagtcaca cctttgatgt
1401  cacagcgatg ttcaagtcta ttgggatctt ccttggaatc ttcagtggat cttttgcaat gggtgctgct actggagtgg tgacagcttt agtgacaaag
1501  ttcaccaaat tacgggagtt ccagttgttg gagacaggcc tgttcttctt gatgtcctgg agtaccttcc tcttggctga agcatggggc ttcacaggtg
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1701  caatttcttg gcagagaatt tcatcttctc ctacatgggg ctgacactgt tcaccttcca gaaccatgtc tttaacccaa catttgtagt aggagcattt
1801  gttgctattt tcttgggaag agctgccaat atttaccgct tgtccctctt acttaatttg ggtagaagaa gtaagattgg atcaaatttt caacacatga
1901  tgatgtttgc tggccttcgt ggtgcaatgg catttgcctt ggccattcga gatactgcca cttatgcacg gcaaatgatg ttcagcacca cgcttctgat
2001  tgtgtttttt accgtgtggg tatttggtgg tggcaccact gcaatgctgt catgcttgca tatcagggtt ggtgttgatt cagaccaaga acacttgggt
2101  gttcctgaaa atgaaaggag aactaccaaa gcagagagtg cttggctttt ccggatgtgg tacaactttg atcataacta tctgaagcct ctgctgaccc
2201  acagcgggcc tccgctgaca acaacactcc ctgcctgctg tggacccatc gccaggtgcc tcaccagccc ccaggcttac gaaaaccagg aacagttgaa
2301  agatgatgat tctgatctta ttctcaatga tggtgacatc agtttgacat atggagattc tactgtgaac actgaaccgg ccacatccag cgcccaagg
2401  agatttatgg gaaacagttc tgaagatgcc ttggatcggg agcttgcatt tggggaccat gaactggtca ttcgaggaac acgcctggtt cttccaatgg
2501  atgattctga acccccgcta aatttgttag ataatacgag acatggtcca gcctaaaggc gcgccagtat actctagagt cgacacccgg ggaattcctc
2601  gagcgctcgt ctctagcttg gcgtaatcat ggtcatagct gtttcctgtg tgaaattgtt atccgctcac aattccacac aacatacgag ccggaagcat
2701  aaagtgtaaa gcctggggtg cctaatgagt gagctaactc acattaattg cgttgcgctc actgcccgct ttccagtcgg gaaacctgtc gtgccagctg
2801  cattaatgaa tcggccaacg cgcggggaga ggcggtttgc gtattgggcg ctcttccgct tcctcgctca ctgactcgct gcgctcggtc gttcggctgc
2901  ggcgagcggt atcagctcac tcaaaggcgg taatacggtt atccacagaa tcaggggata acgcaggaaa gaacatgtga gcaaaaggcc agcaaaaggc
3001  caggaaccgt aaaaaggccg cgttgctggc gtttttccat aggctccgcc cccctgacga gcatcacaaa aatcgacgct caagtcagag gtggcgaaac
3101  ccgacaggac tataaagata ccaggcgttt ccccctggaa gctccctcgt gcgctctcct gttccgaccc tgccgcttac cggatacctg tccgcctttc
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3801  gcttaatcag tgaggcacct atctcagcga tctgtctatt tcgttcatcc atagttgcct gactccccgt cgtgtagata actacgatac gggagggctt
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4601  caaaatgccg caaaaaaggg aataagggcg acacggaaat gttgaatact catactcttc ctttttcaat attattgaag catttatcag ggttattgtc
4701  tcatgagcgg atacatattt gaatgtattt agaaaaataa acaaataggg gttccgcgca catttccccg aaaagtgcca cctgacgtct aagaaaccat
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> RDC0499 Translated Insert Sequence

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 201  rrhffrnlgs ilayaflgta iscfvigsim ygcvtlmkvt gqlagdfyft dcllfgaivs atdpvtvlai fhelqvdvel yallfgesvl ndavaivlss
 301  sivayqpagd nshtfdvtam fksigiflgi fsgsfamgaa tgvvtalvtk ftklrefqll etglfflmsw stfllaeawg ftgvvavlfc gitqahytyn
 401  nlstesqhrt kqlfellnfl aenfifsymg ltlftfqnhv fnptfvvgaf vaiflgraan iyplslllnl grrskigsnf qhmmmfaglr gamafalair
 501  dtatyarqmm fsttllivff tvwvfgggtt amlsclhirv gvdsdqehlg vpenerrttk aesawlfrmw ynfdhnylkp llthsgpplt ttlpaccgpi
 601  arcltspqay enqeqlkddd sdlilndgdi sltygdstvn tepatssapr rfmgnsseda ldrelafgdh elvirgtrlv lpmddseppl nlldntrhgp
 701  a
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