

Product datasheet for **SC303446**

SLC9A3 (NM_004174) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SLC9A3 (NM_004174) Human Untagged Clone
Tag: Tag Free
Symbol: SLC9A3
Synonyms: DIAR8; NHE-3; NHE3
Mammalian Cell Selection: None
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_004174 edited
GCGGCAATGTGGGACTCGGGGCCGGGGCCCCGACCGGGGCTGCTGCTGGCGCTGGCG
CTGGGCGGGCTGGCGCGGGCCGGGGCGTCGAGGTGGAGCCCCGGCGCGCACGGCGAG
AGCGGGGGCTTCCAGGTGGTCACCTTCGAGTGGGCCACGTGCAGGATCCCTACGTCATC
GCGCTCTGGATCCTCGTGCCAGCTTGGCCAAGATCGGGTTCACCTGTCCACACAAGGTC
ACCAGCGTGGTCCCGAGAGCGCCTGCTCATCGTGTGGCCTGGTGTGGCGGCATC
GTCTGGGCGGCCGACCACATCGCGTCCTCACACTGACGCCACCGTCTTCTTCTTCTAC
CTGCTGCCCCCATCGTGTGGACGCCGGCTACTCATGCCAACCGCTCTTCTTCTCGGC
AACCTGGGACCATCCTGTTGTACGCCGTGGTGGTACCGTGTGGAACCGGGCCACCACC
GGGCTGTCCCTCTACGGGTCTTCTCAGTGGGCTCATGGGCGACCTGCAGATTGGGCTG
CTGGACTTCTCCTGTTTGGCAGCCTCATGGCGGTGTGGACCCGGTGGCCGTCTCGCC
GTGTTTGAAGAGGTCCATGTCAACGAGGTCCTGTTTCATCATCGTCTTCGGGGAGTCGCTG
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GGTGACAACGTGACTGGCGTGGACTGCGTGAAGGGCATAGTGTCTTCTCGTGGTGAAGC
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ACCAAGCATGTGCGTATCATCGAGCCGGCTTCGTGTTTCATCATCTCCTACCTGTCTAC
CTGACGTCCGAGATGCTGTCGCTGTCGGCCATCCTCGCCATCACCTTCTGTGGCATCTGC
TGTCAGAAGTATGTGAAGCCAACATCTCGGAGCAGTCGGCCACCACCGTGGCGTACACC
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AGCACCACCATCATCGTAGTGTCTTACCAGTCTCTTCCAGGGCCTGACCATCAAGCCT
CTGGTGCAGTGGTGAAGGTGAAGAGGAGCGAGCACCGGGAACCTCGGCTCAACGAGAAG
CTGCACGGCCGCGCTTTCGACCACATCCTCTCGCCATCGAGGACATATCCGGACAGATC
GGGCACAATTATCTCAGAGACAAGTGGTCCCACTTCGACAGGAAGTCTCAGCAGGGTC



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CTCATGAGACGGTCGGCCAGAAGTCTCGAGACCGGATCCTGAATGTCTTCCACGAGCTG
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ATCCGCTCCCCAGCACCGACAACGTGGTCAACGTGGACTTACGCCACGATCGTCCACC
GTGGAGGCTCTGTCTCTACCTCTGAGAGAAAATGTCAGCGCTGTCTGCCTGGACATG
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CGGACAGGCAGTCCACAGCTGCTGGGTGGCGCCGGGCTTGGTGGGGTCTTCCACTGTGT
GCCCTTCTCGCCGAGGCCGGTCCCCGGGTGTGGGTGCCCTGCTGCGGACTCCTCCGCG
AGCCCCATCGTCGCGCTGTGGACGCTAGGCAAGAGCGGCCCTCTGCAGCCAAGAGAAA
TAAATACTGGCTTCAAAAAAAAAAAAAAAAAAAAA

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- Restriction Sites:** Please inquire
- ACCN:** NM_004174
- Insert Size:** 3200 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).
- OTI Annotation:** The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
- 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:	NM_004174.1 , NP_004165.1
RefSeq Size:	2584 bp
RefSeq ORF:	2505 bp
Locus ID:	6550
UniProt ID:	P48764
Cytogenetics:	5p15.33
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>