

Product datasheet for **SC337534**

SLC9A3 (NM_001284351) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC9A3 (NM_001284351) Human Untagged Clone
Tag:	Tag Free
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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Fully Sequenced ORF: >NCBI ORF sequence for NM_001284351, the custom clone sequence may differ by one or more nucleotides

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ATGTGGGGACTCGGGCCCGGGGCCCGACCGGGGGCTGCTGCTGGCGCTGGCGCTGGGCGGGCTGGCGC
GGGCCGGGGCGTTCGAGGTGGAGCCCGGGCGCGCACGGCGAGAGCGGGGGCTTCCAGGTGGTCACCTT
CGAGTGGGCCACAGTGCAGGATCCCTACGTCATCGCGCTCTGGATCCTCGTGGCCAGCTTGGCCAAGATC
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CTACCTGCTGCCCCCATCGTGTGGAGCCGGCTACTTCATGCCCAACCGCCTCTTCTCGGCAACCTG
GGGACCATCCTGTTGTACGCCGTGTTGGTACCGTGTGGAACGCGGCCACCACCGGGCTGTCCCTTACG
GCGTCTTCTCAGTGGGCTCATGGGCGACCTGCAGATTGGGCTGCTGGACTTCTCTGTTTGGCAGCT
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TCGTGGCGCTGGGAGGTGACAACGTGACTGGCGTGGACTGCGTGAAGGGCATAGTGCCTTCTTCTGTT
GAGCCTGGGGGGACGCTGGTGGGGTGGTCTTCGCTTCTGCTGTGCTGGTACGCGCTTACCAAG
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TGTGCTGTGGCCATCCTCGCCATCACCTTCTGTGGCATCTGCTGTGAGAGTATGTGAAGGCCAACAT
CTCGGAGCAGTCGGCCACCACCGTGCCTACACCATGAAGATGCTGGCCAGCAGCGCCGAGACCATCATC
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CATGGTGCAGCTGGAGCCATTGACCAGGTGGTCTGTCTACGGGGGCTGCGGGGGCGTGGCCTTT
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CGGCCAGAACTCAGAGACCGGATCCTGAATGTCTTCCACGAGCTGAACCTGAAGGATGCCATCAGCTA
CGTGGCTGAGGGAGAGCGCGGGTCCCTGGCCTTATCCGCTCCCCAGCACCACGACGTTGTCAC
GTGGACTTACGCCACGATCGTCCACCGTGGAGGCTCTGTCTCTACCTCCTGAGAGAAAATGTCAGCG
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CTACGCCACCGGAGGAGGAGAAACAGGACCGGAAATCTTCCACAGGACCATGCCGAAGCGCTGGAGT
CCTTCAAGTCGACCAAGCTGGGGCTCAACCAGAAACAAGAAGGCGGCAAGCTGTACAAGCGGGAGCGTGC
CCAGAAGCGGAGAAACAGCAGCATCCCCAATGGGAAGTGGCCATGGAGAGCCCTGCGCAGAAATTCACC
ATCAAGGAGAAAGACTTGAACCTTTCAGACACCGAGGAGCCCCCAACTATGATGAGGAGATGAGTGGGG
GGATCGAGTTCCTGGCTAGTGTCAACAAGGACACAGCGTCCGACTCCCCTGCAGGAATTGACAACCTGT
GTTTTCTCGGACGAGGCCCTGGACCGCAGCCTCTGGCCAGGCTGCCGCCCTGGCTGTCTCCGGGGAG
ACGGTGGTCCCTCGCAGAGGGCCCGCACGAGATTCCCTACTCTCCGGCACCTTCTGCCGCTGATGC
CCTTCCGCTCAGCAGCAAGTCCGTGGACTCTTCTGTCAGGCAGACGGCCCCGAGGAGCGGCCCGCCG
CGCCCTCCCGAGTCCACACATGTGA
    
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Restriction Sites: Sgfl-Mlul

ACCN: NM_001284351

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).

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:	<ol style="list-style-type: none">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:	<u>NM_001284351.2</u> , <u>NP_001271280.1</u>
RefSeq Size:	3983 bp
RefSeq ORF:	2478 bp
Locus ID:	6550
UniProt ID:	<u>P48764</u>
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 (2) uses an alternate in-frame acceptor splice site in the mid-coding region compared to variant 1. The resulting shorter isoform (2) lacks a 9 aa protein segment compared to 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>