

## Product datasheet for **SC105931**

### SLC9A9 (AL832304) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC9A9 (AL832304) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC9A9
Synonyms:	AUTS16; NHE9
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC105931 sequence for AL832304 edited (data generated by NextGen Sequencing)

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ATGGAGAGACAGTCAAGGGTTATGTCAGAAAAGGATGAGTATCAGTTTCAACATCAGGGA
GCGGTGGAGCTGCTTGTCTTCAATTTTTTGCTCATCCTTACCATTTTGACAATCTGGTTA
TTTTAAATCATCGATCCGCTTCTTGCATGAACTGGAGGAGCAATGGTGTATGGCCTT
ATAATGGGACTAATTTTACGATATGCTACAGCACCAACTGATATTGAAAGTGGAACTGTC
TATGACTGTGTAATACTAATTTTCACTCCATCAACTCTGCTGGTTAATATCACTGACCAA
GTTTATGAATATAAATACAAAAGAGAAAATAAGTCAGCACAAACATCAATCCTCATCAAGGA
AATGCTATACTTGAAAAGATGACATTTGATCCAGAAATCTTCTTCAATGTTTTACTGCCA
CCAATTATATTTTATGCAGGATATAGTCTAAAGAAGAGACACTTTTTTCAAACTTAGGA
TCTATTTTAACTGATGCCTTCTTGGGAACTGCCATCTCCTGCATCGTCATAGGGTTAATT
ATGATGGTTTTGTGAAGGCTATGATACATGCTGGCCAGCTGAAAAATGGAGACTTTCAT
TTCAGTACTGTTATTTTTTGGTTCACTGATGTCTGCTACAGATCCAGTGACAGTGCTG
GCCATTTTCCATGAACTGCAGCTGACCCTGACCTGTACACACTTGTGTTGGAGAGAGT
GTGTTGAATGATGCAGTGGCCATAGTCCTTACATATTCTATATCCATTTACAGTCCCAAG
GAGAATCCAAATGCATTTGATGCGCAGATTCTTCCAGTCTGTGGGAAATTTCCGCGGA
ATCTTCGCTGGCTCATTTGCAATGGGGTCTGCGTATGCCATCATCACAGCACTGTTGACC
AAATTTACCAAGCTGTGTGAGTCCCGATGCTGGAAACCGGCCTGTTTTCTGCTTTCT
TGGAGTGCCTTCTGTCTGCCGAGGCTGCCGGCCTAACAGGGATAGTTGCTGTTCTCTTC
TGTGGAGTCACACAAGCATTATACCTACAACAATCTGTCTTCGGATTCCAAAATAAGA
ACTAAACAGTTGTTTGAATTTATGAACTTTTTGGCGGAGAAGTCATCTTCTGTTACATG
GGCCTGGCACTGTTTACGTTCCAGAATCATATCTTTAATGCTCTTTTTATACTTGGAGCC
TTTCTAGCAATTTTTGTTGCCAGAGCCTGCAACATATATCCCCTCTCCTTCTCCTGAAT
CTAGGCCGAAAACAGAAGATCCCCTGGAACCTTTCAGCACATGATGATGTTTTTCAGGTTTG
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ATGTTTACCACTACGCTGCTCCTCGTGTCTTCACTGTCTGGGTATTTGGAGGAGGAACA
ACCCCATGTTGACTTGGCTTCCAGATCAGAGTTGGCGTGGACCTGGATGAAAATCTGAAG
GAGGACCCCTCCTCACAAACCAGGAAGCAAATAAATTGGATAAAAACATGACGAAAGCA
GAGAGTGTCTGGCTCTTCCAGAAATGTTGTATAGCTTTGACCACAAGTATCTGAAACCAATT
TTAACCCTCTGGTCTCCGCTGACTACAACATTACCTGAATGGTGTGGTCCGATTTCC
AGGCTGCTTACCAGTCTCAAGCCTATGGGGAACAGCTAAAAGAGGATGATGTGGATGC
ATTGTAACCAGGATGAACTAGCCATAAATTACCAGGAGCAAGCCTCCTCACCTGCAGT
CCTCCTGCAAGGCTAGGTCTGGACCAGAAAAGCTTACCCCAAGACGCCAGGCAAGGAAAAC
ATTTATGAGGGAGACCTCGGCCTGGGAGGCTATGAACTCAAGCTTGAAGCAAACTTTGGGT
CAATCCCAGTTGAATTAA
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Clone variation with respect to AL832304.1  
918 c=>t;1765 g=>a

<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for AL832304 unedited</p> <pre>TAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGTAGCAACTAAAGTGGCAG TGTTTTCTCTGAAATTCTCAGGCAGTCAGACTGTCTTAGGCAAATCTTGATAAAATAGCC CTTATCCAGGTTTTTATCTAAGGAATCCCAAGAAGACTGGGGAATGGAGAGACAGTCAAG GGTTATGTCAGAAAAGGATGAGTATCAGTTTCAACATCAGGGAGCGGTGGAGCTGCTTGT CTTCAATTTTTGCTCATCCTTACCATTTTGACAATCTGGTTATTTAAAAATCATCGATT CCGCTTCTTGTCATGAAACTGGAGGAGCAATGGTGTATGGCCTTATAATGGGACTAATTTT ACGATATGCTACAGCACCAACTGATATTGAAAGTGGAACTGTCTATGACTGTGTAAGAACT AACTTTCAGTCCATCAACTCTGCTGGTTAATATCACTGACCAAGTTTATGAATATAAATA CAAAAGAGAAATAAGTCAGCACAAACATCAATCCTCATCAAGGAAATGCTATACTTGAAAA GATGACATTTGATCCAGAAATCTTCTTCAATGTTTTACTGCCACCAATTATTTTCATGC AGGATATAGTCTAAGAAGAGACACTTTTTTCAAACCTTAGGATCTATTTAACGTATGC CTTCTTNGAACTGCCATCTCCTGCATCGTCATAGGGTTAATTATGTATGGTTTTGTGAA GGCTATGATACATGCTGGCCAGTGAAAATGGAGACTNCTATTTCACTGACTGTTTATNT TTTGGTCACTGATGTCTGCTACAGATCCAGTGACAGTGTGGCCATTTCCATGAACTG CACGTCGACCCCTGACTGTACACACTCTTGTGNANAGAGTGTGTGAATGATGCANTGG CCATANNCTTACTATNCTTATCCATTTACAGTCCANGAGAATCCATGCATTGATGCCGA GCT</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for AL832304 unedited</p> <pre>TAACTTTGNACCGCGGCCGCTTTCTAGNGATCGGTTTTTTTTTTTTTTTTTTTACTTTGT AACAAAAATTTATTAGGATTAAGTCAAATTAGAAAACCTCATGCTCCACCACTTGTGATA TTTACCTGAAATGACAAAAGTTATACTTAGCTTGAGTGTAAAACCTGTGCCCCAGAGATTC TGTTTGAAAGCAAAAAATAATTGATGCACATAGCAGTGTGCCTGATACCACCACAGTG AATGTTGTTTAAAGGCCTAACAAACAGTGGTCAGCAAAGCATACTTTTAAAGCTTTG GGTCCAAGGAAGATGTCATTTCCCTACCTCCTTCAAAGCAGACTCATATAGCCTGGGCA CCTAGGCTGGAGCCTATTTTTTCGAGTCTAATATGAACATCTGGATTTCAAGAGGTGCT AGGCTTGAGGTATCTTTATGGCTTAAAAGGCACAGGTATGCAGCTGAATTTAAAGCTAT CATGTTGGTCTCTGGAATGCAGGCCATGAGCCACGCTTGTAAAGGGGAGACCTGAGGCC CTGTCCTTGGCTCCTCAGTGTAACCCACACATCATTGGCTCTGTTCTCTCGCCCTGCTC CTGCACTGCTCATCAGCTGTGAATGCTGGAATTGGAGGACAGGTTGGGGCTCCTGCACAG TCTGCTGCCAGGTAGAGAGCAACACAGGCTGCAGAATCCTACCCTCCACATAATCGCGGG GAAGGGGGGACCCTGCTGCACAGCCAAGAAGTACTCACATGCAGGCAAGGACGGGAAG GCTTGTCTTTTACGACACAGTGGTATGGGGGAGAGAAACCTGTTTTCTNGNNATGGTCC TACTAAGCTTGAAGTGGTGTGCATTTAGGGCAGGGCACACCCAGCCATAGGGCAACCC CTTTGAGCGATGGNAGAAGTAGCNTAGAAGGATGCCAGAGAACAATAGGTT</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	AL832304
<b>Insert Size:</b>	4000 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">AL832304.1</a></u> , <u><a href="#">CAI46158.1</a></u>
<b>RefSeq Size:</b>	3566 bp
<b>RefSeq ORF:</b>	1938 bp
<b>Locus ID:</b>	285195
<b>Cytogenetics:</b>	3q24
<b>Domains:</b>	Na_H_Exchanger
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	This gene encodes a sodium/proton exchanger that is a member of the solute carrier 9 protein family. The encoded protein localizes to the late recycling endosomes and may play an important role in maintaining cation homeostasis. Mutations in this gene are associated with autism susceptibility 16 and attention-deficit/hyperactivity disorder. [provided by RefSeq, Mar 2012]