

Product datasheet for SC310200

SLC9A9 (NM_173653) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SLC9A9 (NM_173653) Human Untagged Clone
Tag: Tag Free
Symbol: SLC9A9
Synonyms: AUTS16; NHE9
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_173653 edited
 GAAGTAGCAACTAAAGTGGCAGTGTCTTCTGAAATTCTCAGGCAGTCAGACTGTCTTA
 GGCAAATCTTGATAAAAATAGCCCTTATCCAGGTTTTATCTAAGGAATCCCAAGAAGACT
 GGGGAATGGAGAGACAGTCAAGGTTATGTCAGAAAAGGATGAGTATCAGTTTCAACATC
 AGGGAGCGGTGGAGCTGCTTGTCTTCAATTTTTGCTCATCCTTACCATTTTGACAATCT
 GGTATTTAAAAATCATCGATTCCGCTTCTTGCATGAACTGGAGGAGCAATGGTGTATG
 GCCTTATAATGGGACTAATTTTACGATATGCTACAGCACCAACTGATATTGAAAGTGAA
 CTGTCTATGACTGTGTAATAACTTTTTCAGTCCATCAACTCTGCTGGTTAATATCACTG
 ACCAAGTTTATGAATATAAATACAAAAGAGAAAATAGTCAGCACAAACATCAATCCTCATC
 AAGGAAATGCTATACTTGAAGATGACATTTGATCCAGAAATCTTCTTCAATGTTTTAC
 TGCCACCAATTATTTTTCATGCAGGATATAGTCTAAAGAAGAGACTTTTTTCAAACCT
 TAGGATCTATTTTAACTGATGCCTTCTTGGGAAGTCCATCTCCTGCATGCTCATAGGGT
 TAATTATGTATGGTTTTGTGAAGCTATGATACATGCTGGCCAGCTGAAAAATGGAGACT
 TTCATTTCACTGACTGTTATTTTTGGTTCACTGATGTCTGCTACAGATCCAGTGACAG
 TGCTGGCCATTTTCCATGAACTGCACGTCGACCCTGACCTGTACACACTCTTGTGGAG
 AGAGTGTGTTGAATGATGCAGTGGCCATAGTCCTTACATATTCTATATCCATTTACAGTC
 CCAAGGAGAATCCAAATGCATTTGATGCCGAGCATTCTCCAGTCTGTGGGGAATTTCC
 TGGGAATCTTCGCTGGCTCATTTGCAATGGGTCTGCGTATGCCATCATCACAGCACTGT
 TGACCAAATTTACCAAGCTGTGTGAGTTCCCGATGCTGGAACCGGCCTGTTTTCTGC
 TTTCTTGAGTGCCTTCTGTCTGCGGAGGCTGCCGCTAACAGGGATAGTTGCTGTTCT
 TCTTCTGTGGAGTCACACAAGCACATTATACCTACAACAATCTGTCTTCGATTCCAAAA
 TAAGAACTAAACAGTTGTTTGAATTTATGAACTTTTTGGCGGAGAACGTCATCTTCTGTT
 ACATGGGCCTGGCACTGTTACGTTCCAGAATCATATCTTTAATGCTCTTTTTTACTTG
 GAGCCTTTCTAGCAATTTTTGTTGCCAGAGCCTGCAACATATATCCCCTCTCCTTCTCC
 TGAATCTAGGCCGAAAACAGAAGATCCCCTGGAACCTTTCAGCACATGATGATGTTTTTCAG
 GTTTGCGAGGAGCGATCGCATTTGCCTTAGCTATTCGGAACACAGAATCTCAGCCCAAAC
 AAATGATGTTTACCACACTACGCTGCTCCTCGTGTCTTCACTGTCTGGGTATTTGGAGGAG



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GAACAACCCCATGTTGACTTGGCTTCAGATCAGAGTTGGCGTGGACCTGGATGAAAATC
TGAAGGAGGACCCCTCCTCACAACACCAGGAAGCAAATAACTTGGATAAAAAATGACGA
AAGCAGAGAGTGCTCGGCTCTTCAGAAATGTGGTATAGCTTTGACCACAAGTATCTGAAAC
CAATTTTAACCCACTCTGGTCTCCGCTGACTACAACATTACCTGAATGGTGTGGTCCGA
TTTCCAGGCTGCTTACCAGTCTCAAGCCTATGGGGAACAGCTAAAAGAGGATGATGTGG
AATGCATTGTAACCAGGATGAACTAGCCATAAATTACCAGGAGCAAGCCTCCTCACCT
GCAGTCTCCTGCAAGGCTAGGCTGGACCAGAAAGCTTACCCAGACGCCAGGCAAGG
AAAACATTTATGAGGGAGACCTCGGCCTGGGAGGCTATGAACTCAAGCTTGAGCAAACCT
TGGGTCAATCCCAGTTGAATTAATTGGCATGAAGAGTACAGATGTAATCAACAAGTAAATGC
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CATATTAAGAGCATAAATTGGAGAGAATCAAAGCCTTGTACATGGATCCTCTGGTGCCT
GAAGAAATGAGATTTTATTATCCCTCTCTATTATGCAAATGAATTTAGTTTTTTGACAGC
AGCCATTCTGATTACTGGATTGGCTGGGTGGGATGGGGTATCAGGAGTCTAGCTGCT
GGAGGATGGGACAGCTGTGCTGGGTCTTACAGGCATTTCTGCTGCGAATGCGGCTCTCCA
GGCCCTTCACTTCTATTCTGGATTTTATCCCTCCATTAAGGAGAGTTTTAAAAATAAAG
AAAGCTTCTGAGAGTAAACATTTTGGCTCCTAAGCTGAAGGGAATGCCAGCTATTTAGTA
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GAGCCAGAGAAGTGTCCGTACCCACTGCTGATGGTTTTCCAGAGCCCACTGAGTTG
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TTGCCTATGGCTGGGTGTGCCCTGCCCTAAATGCAGCACCCTTCAAGCTTAGTAGGAC
CATTCCAAGAAAACCAGTTTCTTCTCCCATACCACGTTGTGCCTGAAGAACAAGCCTT
CCCGTCTTGCCTGCATGTGAGTCACTTCTTGGCTGTGCAGCAGGTCACCCCTCCCGG
CGATATGCTGGAGGTAGGATTCTGCAGCCTGTGTTGCTCTCTACCTGGCAGCAGACTGT
GCAGGAGCCCAACCTGTCTCCAATTCCAGCATTACACAGCTGATGAGCAGTGCAGGAGC
AGGGCGAGAGGAACAGAGCCAATGATGTGTGGTTACTGAGGAGCAAGGACAGGGCC
TCAGGTCTCCCCCTTACAAGGCGTGGCTCATGGCTGCATTCCAGAGACCAACATGATAG
CTTTTAATTCAGCTGCATGACCTGTGCCTTTTAAGCCATAAAGATACCTCAAGCCTAGCA
CCTCTTGAATCCAGATGTTTCATATTAGACTCGAAAAAATAGGCTCCAGGCCTAGGTGCC
CAGGCTATGATGAGTCTGCTTTTGAAGGAGGTAGGGAATGACATCTTCTTGGACCCAAA
GCTTAAAAGTAATGTATGCTTTGCTGACCACTGTTTGTAGGCCTTAAACAACATTTCACT
GTGGTGGTATCAGGCACACTGCTATGTGCATCAATTTTTTTTGGCTTTCCAAACAGAAT
CTCTGGGGCACAAGTTTTACACTCAAGCTAAGTATAAATTTGTCAATTCAGGTAATATG
ACAAGTGGTGGAGCATGAAGTTTTCTAATTTGACTTAATCCTAATAAATTTTTGTACAA
AGTAAAAAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM_173653
- Insert Size:** 3600 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:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_173653.1](#), [NP_775924.1](#)

RefSeq Size: 3568 bp

RefSeq ORF: 1938 bp

Locus ID: 285195

UniProt ID: [Q8IVB4](#)

Cytogenetics: 3q24

Protein Families: Druggable Genome, Transmembrane

Gene Summary: 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]