

## Product datasheet for **SC311405**

### SLC9A6 (NM\_001042537) Human Untagged Clone

#### Product data:

|               |  |
|---------------|--|
| Product Type: | Expression Plasmids                        |
| Product Name: | SLC9A6 (NM_001042537) Human Untagged Clone |
| Tag:          | Tag Free                                   |
| Symbol:       | SLC9A6                                     |
| Synonyms:     | MRSA; NHE6                                 |
| Vector:       | <u>pCMV6 series</u>                        |



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001042537, the custom clone sequence may differ by one or more nucleotides

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ATGGCTCGGCGCGGCTGGCGGCGGGCACCCCTCCGCCGTGGCGTCGGCAGCAGTCCCCGA
GCCCGCAGGCTCATGCGGCCCTTTGGTTGCTCCTCGCAGTGGGCGTCTTTGACTGGGCA
GGGGCTTCGGACGGCGGGCGGAGAGGCTAGAGCCATGGACGAGGAGATCGTGTCCGAG
AAGCAAGCCGAGGAGAGCCACCGGCAGGACAGCCCAACCTGCTCATCTTCATCCTGCTG
CTCACCTCACCATCTCACAATCTGGCTCTTCAAGCACCGCCGGCCCGCTTCCCTGCAC
GAAACCGGCTGGCTATGATTTATGGTCTTTTGGTGGGCCTTGTGCTTCGGTATGGCATT
CATGTTCCGAGTGATGTAATAATGTGACCCTGAGCTGTGAAGTGCAGTCAAGTCCAAC
ACCTTACTGGTAAATGTTAGTGGAAAATTTTATGAGTATATGCTGAAAGGAGAGATTAGT
TCACATGAACTCAATAATGTTCAAGATAATGAAATGCTTAGAAAGTTACTTTTGATCCA
GAAGTATTTTTCAACATATTACTTCCCTCATCATTTTTATGCAGGTTATAGCCTGAAA
AGGAGACATTTTTTCGAAATCTGGGTCTATCCTAGCATAACGCTTTTCTTGAACAGCA
ATTTCTTGTTTCGTTATTGGGTCAATAATGTATGGCTGTGTAACGCTGATGAAGTAACG
GGACAACCTGCAGGAGATTTTTACTTTACAGATTGCTACTGTTTGGTGCCATTGTATCA
GCAACTGATCCAGTGACTGTTCTTGCTATATTCCACGAGCTTCAAGTTGATGTTGAACTC
TATGCACTTCTTTTTGGTGAAAGTGTCCCTCAATGATGCTGTTGCCATAGTGTGCTCCTC
TCAATAGTGGCATACCAGCCAGCTGGAGACAACAGTCACACCTTTGATGTCACAGCGATG
TTCAAGTCTATTGGGATCTTCTTGAATCTTCAGTGGATCTTTTGAATGGGTGCTGCT
ACTGGAGTGGTGACAGCTTTAGTGACAAAGTTCACCAAATACGGGAGTTCAGTTGTTG
GAGACAGGCTGTTCTTCTTGATGTCCTGGAGTACCTTCTTGGCTGAAGCATGGGGC
TTCACAGGTGATGTCAGTATTGTTTTGTGGCATCACACAAGCACATTATACGTATAAT
AATTTGTCCACGGAGTCTCAGCATAGAATAACAGTTGTTTGGCTTCTCAATTTCTTG
GCAGAGAATTTCACTTCTCCTACATGGGGCTGACACTGTTACCTTCCAGAACCATGTC
TTTAACCCAACATTTGTAGTAGGAGCATTGTTGCTATTTTTCTTGGGAAGAGCTGCCAAT
ATTTACCCCTTGTCCCTTACTTAATTTGGGTAGAAGAAGTAAGATTGGATCAAATTTT
CAACACATGATGATGTTTGTGGCTTCTGGTGAATGGCATTGCTTGGCCATTGCA
GATACTGCCACTTATGCACGGCAAATGATGTTCCAGCACCAGCTTCTGATTGTGTTTTT
ACCGTGTGGGTATTTGGTGGTGGCACCCTGCAATGCTGTCATGCTTGCATATCAGGGT
GGTGTGATTAGACCAAGAACAATTTGGGTGTTCTGAAAATGAAAGGAGAACTACAAA
GCAGAGAGTGCTTGGCTTTCCGGATGTGGTACAATTTGATCATAACTATCTGAAGCCT
CTGCTGACCCACAGCGGGCTCCGCTGACAACAACACTCCCTGCCTGCTGTGGACCATC
GCCAGGTGCCTCACCCAGCCCCAGGCTTACGAAAACCAGGAACAGTTGAAAGATGATGAT
TCTGATCTTATTCTAATGATGGTGACATCAGTTTACATATGGAGATTCTACTGTGAAC
ACTGAACCGGCCACATCCAGCGCCCAAGGAGATTTATGGGAAACAGTTCTGAAGATGCC
TTGGATCGGGAGCTTGCATTTGGGGACCATGAACTGGTCATTTCGAGGAACACGCCTGGT
CTTCCAATGGATGATTCTGAACCCCGCTAAATTTGTTAGATAATACGAGACATGGTCCA
GCCTAA
    
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- Restriction Sites:** Please inquire
- ACCN:** NM\_001042537
- 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.

|                               |   |
|-------------------------------|---|
| <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>NM_001042537.1, NP_001036002.1</u>   |
| <b>RefSeq Size:</b>           | 4742 bp   |
| <b>RefSeq ORF:</b>            | 2106 bp   |
| <b>Locus ID:</b>              | 10479   |
| <b>UniProt ID:</b>            | <u>Q92581</u>   |
| <b>Cytogenetics:</b>          | Xq26.3  |
| <b>Protein Families:</b>      | Druggable Genome, Transmembrane   |
| <b>Protein Pathways:</b>      | Cardiac muscle contraction  |
| <b>Gene Summary:</b>          | <p>This gene encodes a sodium-hydrogen exchanger that is a member of the solute carrier family 9. The encoded protein localizes to early and recycling endosomes and may be involved in regulating endosomal pH and volume. Defects in this gene are associated with X-linked syndromic cognitive disability, Christianson type. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Apr 2010]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).</p> |