

Product datasheet for **SC329030**

SLC9A6 (NM_001177651) Human Untagged Clone

Product data:

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|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | SLC9A6 (NM_001177651) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | SLC9A6 |
| Synonyms: | MRSA; NHE6 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001177651, the custom clone sequence may differ by one or more nucleotides

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ATGGACGAGGAGATCGTGTCCGAGAAGCAAGCCGAGGAGGCCACCGGCAGGACAGCGCC
AACCTGCTCATCTTCATCCTGCTGCTCACCTCACCATCTCACAATCTGGCTCTTCAAG
CACCGCCGGGCCGCTTCTGTCACGAAACCGGCCTGGCTATGATTTATGGTCTTTGGTG
GGCCTTGTGCTTCGGTATGGCATTATGTTCCGAGTGATGAAATAATGTGACCCGTGAGC
TGTGAAGTGCAGTCAAGTCCAACCTACTGGTAAATGTTAGTGGAAAATTTTATGAG
TATATGCTGAAAAGGAGAGATTAGTTCACATGAACTCAATAATGTTCAAGATAATGAAATG
CTTAGAAAAGTTACTTTTATCCAGAAGTATTTTCAACATATTACTTCCTCCTATCATA
TTTTATGCAGGTTATAGCCTGAAAAGGAGACATTTTTTTCGAAATCTTGGGTCTATCCTA
GCATACGCTTTTCTTGGAAACAGCAATTTCTTGTTCGTTATTGGGTCAATAATGTATGGC
TGTGTAACGCTGATGAAGGTAACGGGACAACCTGCAGGAGATTTTACTTTACAGATTGC
CTACTGTTTGGTGCCATTGTATCAGCAACTGATCCAGTGACTGTTCTTGCTATATTCCAC
GAGCTTCAAGTTGATGTTGAACTCTATGCACTTCTTTTGGTAAAAGTGCCTCAATGAT
GCTGTTGCCATAGTGCTGCTCCTCAATAGTGGCATAACCAGCCAGCTGGAGACAACAGT
CACACCTTTGATGTCACAGCGATGTTCAAGTCTATTGGGATCTTCTTGGAAATCTCAGT
GGATCTTTTGAATGGGTGCTGCTACTGGAGTGGTGACAGCTTTAGTGACAAAAGTTCACC
AAATTACGGGAGTTCAGTTGTTGGAGACAGGCCTGTTCTTCTGATGCTCCTGGAGTACC
TTCCTCTTGGCTGAAGCATGGGGCTTACAGGTGTAGTTGCAGTATTGTTTTGTGGCATT
ACACAAGCACATTATACGTATAATAATTTGTCCACGGAGTCTCAGCATAGAACTAAACAG
TTGTTTGGAGCTTCTCAATTTCTTGGCAGAGAATTCATCTTCTCCTACATGGGGCTGACA
CTGTTTACCTTCCAGAACCATGTCTTTAACCCAACTTTGTAGTAGGAGCATTGTTGCT
ATTTTCTTGGGAAGAGCTGCCAATATTTACCCCTTGTCCCTTACTTAATTTGGGTAGA
AGAAGTAAGATTGGATCAAATTTTCAACACATGATGATGTTTGGTGGCCTTCGTGGTGCA
ATGGCATTTCCTTGGCCATTGAGATACTGCCACTTATGCACGGCAAATGATGTTTCAGC
ACCACGCTTCTGATTGTGTTTTTACCCTGTGGGTATTTGGTGGTGGCACCCTGCAATG
CTGTGATGCTTGCATATCAGGGTGGTGTGATTGAGACCAAGAACAACCTGGGTGTTCT
GAAAATGAAAGGAGAAGTACCAAAGCAGAGAGTGTGGCTTTTCCGGATGTTGTTACAAC
TTTGATCATAACTATCTGAAGCCTCTGCTGACCCACAGCGGGCCTCCGCTGACAACAACA
CTCCCTGCCTGCTGTGGACCCATCGCCAGGTGCCTCACCAGCCCCAGGCTTACGAAAAC
CAGGAACAGTTGAAAGATGATGATTCTGATCTTATTCTCAATGATGGTGACATCAGTTT
ACATATGGAGATTCTACTGTGAACACTGAACCGGCCACATCCAGCGCCCCAAGGAGATTT
ATGGGAAACAGTTCTGAAGATGCCTGGATCGGGAGCTTGCAATTTGGGGACCATGAACTG
GTCATTCGAGGAACACGCTGGTCTTCCAATGGATGATTCTGAACCCCCGCTAAATTTG
TTAGATAATACGAGACATGGTCCAGCCTAA

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Restriction Sites: Please inquire

ACCN: NM_001177651

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_001177651.1](#), [NP_001171122.1](#)

RefSeq Size: 4620 bp

RefSeq ORF: 1950 bp

Locus ID: 10479

UniProt ID: [Q92581](#)

Cytogenetics: Xq26.3

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cardiac muscle contraction

Gene Summary: 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]
Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (c) has a shorter N-terminus, compared to isoform a. 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.