

Product datasheet for **SC105063**

SLC38A10 (BC014156) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | SLC38A10 (BC014156) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | SLC38A10 |
| Synonyms: | PP1744 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL4</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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Fully Sequenced ORF: >NCBI ORF sequence for BC014156, the custom clone sequence may differ by one or more nucleotides

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CAGGCTGGTCTCTAACTCCTGGGCTCAAGCGATCTGCCTGCCCTCCGCTCCCAAATTGCTGGGATTACAG
GCGTGAGCCGCCGTGCCAGGCTTATTTTCTTACGTGCTTGCTCCTAGAACAAGTGAATGTGTAAGTGGA
AAAAACAAAAACAAAACCCACCCAGCCAGATAACCATCTCTGACATTCTGGCACATTCTTTTACTG
TTGCTCTGGACACTCACTTCCATGGGCAACGAGCAGGCTTGCTGGGGTCTGCCGGTGGCCTGGGGCA
CAGCCAGTGGGAGAACTGATGCGGCACAGTGGCTGGCTGTGCGGGAGAGGCCATCCCGGGTGGGCTTCCA
GGGGCAGTCAGGGCGCAGCCTCTCCCGGGCCCTCAGGCCTGCGTGCATCACTGAGCTGTCCGGGCTTAC
GGTCACAGTCAATGATGGGTGTCACCAGTGGCCAGTGTTCGGGCACACTCCCTGCAGGTGACCTGTGCGTT
GCCTTGCTGTGGGCCGCGCCGCTCCCTGGCCAGCACGGTGCATGAGCAGCCCGGGCACTCTGACTGTGTG
CTTTCCAAACCCAGAAGCTGGCAGGGCGGAGATGCTGGACCACGCGCTCTGCTTCAAGTGATCAAAGAA
CAGCAGGTGCAGAAAAGCGCTTGCTGGACCAGCAGGAGAAGCTGCTGGCGGTGATCGAGGAGCAGCACA
AGGAGATCCACCAGCAGAGGCAGGAGGACGAGGAGGATAAACCCAGGCAGGAAAAAACCTGGGAAGGAG
GTGGCAGCCACTGGCACCAGCATTCTGAAGGAAGCCAACCTGGCTCGTGGCAGGGCCAGGAGCAGAGACGG
GGGACCCTCGCATGAAGCCCAAGCAAGTGAAGCCGAGACCTGGGCCTTGCAGCGGACCTGCCCGGTGGGGC
GGAAGGAGCAGCTGCACAGCCCCAGGCTGTGTTACGCCAGCCGGAAGTGCGGGTCACTCTGATGGCGAG
CAGGGTGGACAGCAGGGCCACCGGCTGGACCATGGCGGTACCTGGAGATGAGAAAGGCCCGGGGGGG
ACCATGTGCCTGTGTCCCACGAGCAGCCGAGAGGCGGGGAGGACGCTGCTGTCCAGGAGCCAGGCAGAG
GCCAGAGCCAGAGCTGGGGCTCAAACGAGCTGTCCCGGGGGCCAGAGGCCGGAATGCCAAGCCCAAC
CGGGACCTGAAACTGCAGGTGGCTCCGACCTCCGGAGGCGACGGCGGGACCTTGGCCCTCATGCAGAGG
GTCAGCTGGCCCCGAGGGATGGGTGTCATCATTGGCCTTAACCCCTGCTGATGTCCAGGTGAACGACCT
CGGTGGCCGCTTGATGCCAGCTCCGCCAGGCTGCGGGGGGAGCTCTGCAGGTGGTCCACAGCCGGCAG
CTTAGACAGGCGCCTGGGCTCCAGAGGAGTCTAGCACCTGCTGGCCATGAGGGCCACGCCAGCCACTG
CCCTCCTCGGCCAGCAGCAGGTCTGTCTCAGCCGATCCAGCCAACTCTGGAGTCACTCGCCTCT
CCCCAGGGTTTCAATGTCTGAGGCCCTACCAAGTGTGAGTGACAGTATAAAAGATCACTGTGGCATCGT
TTCCAGAAATGTTCTTGTGTGCTTCTGTTGCAGCTCTTAGTCTGAGGTCTCTGACCTCTAGACTCTGAG
CTCACTCCAGCCTGTGAGGAGAAACGGCCTCCGCTGCGAGCTGGCTGGTGCCTCCAGGCTCAGGCTGG
GGAGCTGTGCGTCTGTGGTCAGGCCTCCTGCTCCTGCCAGGGAGCACGGTGGTCTTCGGGTTGAGCTC
GGCCGTGCGTGGAGGTGCGCATGGCTGCTCATGGTCCCAACACAGGCTACTGTGAGAGCCAGCATCCAAC
CCCACGCTTGAGTGAATGATAATTATTATGACTGTTTATCGATGCTTCCACAGTGTGGTAGA
AAGTCTTGAATAAACACTTTTGCCTTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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| 5' Read Nucleotide Sequence: | <p>>OriGene 5' read for BC014156 unedited GATTTTGTAAACGACTTACTATAGGGCGGCCGGAATTCGGCACGAGATTCCCTGGGCA AAGTCAGGACGTTACTGGCGGTTCCCAAGNACAGGAAAAAACCTGGGAAGGAGGTGGCAG CCACTGGCACCAGCATTCTGAAGGAAGCCAACCTGGCTCGTGGCAGGGCCAGGAGCAGAGA CGGGGGACCCTCGCATGAAGCCAAGCAAGTGAGCCGAGACCTGGGCCTTGACAGCGGACC TGCCCGGTGGGGCGGAAGGAGCAGCTGCACAGCCCCAGGCTGTGTTACGCCAGCCGGAAC TGCGGGTCATCTCTGATGGCGAGCAGGGTGGACAGCAGGGCCACCGGCTGGACCATGGCG GTCACCTGGAGATGAGAAAGGCCCGCGGGGGGACCATGTGCCTGTGTCCACGAGCAGC CGAGAGCGGGGAGGACGCTGCTGTCCAGGAGCCAGGCAGAGGCCAGAGCCAGAGCTGG GGCTCAAACGAGCTGTCCCGGGGGCCAGAGGCCGGACAATGCCAAGCCAAACGGGACC TGAAACTGCAGGCTGGCTCCGACCTCCGGAGGCGACGGCGGGACCTTGGCCCTCATGCAG AGGGTCAGCTGGCCCCGAGGGATGGGGTATTGGCCTTAACCCCTGCCTGATGTCCAGG TGAACGACCTCCGTGGCGCCCTGGATGCCAGCTCCGCCAGGCTGCGGGGGAGCTCTGC ANGTGGTCCACAGCCGGCAGCTAACAGGCGCCTGGGCCCTCAGAGGAGTCTAGCACCT GCTGGCCATGAGNCCACGCCAGCCACTGCCCTNCTCGCCAGCAGCAGGTCTGTCTCAG CCGCATCCAGCCAACTCTGGNAGTCACACTCGCCCTCTCCAGGGTTNNCATGTCTGAG CCCTCCACAGTGTGAGTGACAGTNTAAAAGATTCTGTGGCATCGTTTCAGAATGTTCT GCTTGTGCTGTGTGACGCTCTTAATCTGAGTCCTT</p> |
| 3' Read Nucleotide Sequence: | <p>>OriGene 3' read for BC014156 unedited ACCATGGACGCTACCCCAATCCAGGATCNATTTAAATTCCTTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTTTGGGGGAAAGCAAAAGTGTATTCAAACCTTTTACCACACTGTG GGAAGCATCGATAAACAGTCCTAATAATTATCATTCTGAGTCACTGCAAGCGTGGGGTTG GATGCTGGCTCTCACAGTAACCTGTGTTGGGACCATGAACAGCCATGCGCACCTCCACGC ACGGGCGAACTTAACCCGAAAACACGCGTGTCCCTGGCAGGAGCAGGAGGCTGACCA CAAACGCAGCAGCTCCCCAACCTGAGCCTGGGAGTGCACCAACCAGCTTGCAACGGAAAGC CGTTTTTCTCACAGGCTGGAGTGAGCTCAAAATCTAAAGGTCAAAGACCTCAAACCTAA AAGCTGCAACAAAACGACAGCCAGAATTTTTGAAACCATGCCACAGTGAATCTTTTAT ACTGGCACTCACACTTGGTGAGGGCCTCAAACATGAAACCCTGGGAGAGGGCGAGTGTGA CCTCCAAAATTTGGCTGGGATGCCGCTGAAACAAACCTGCTGCTGGCCCAAGAAGGCAAT GGCTGGCGTGGCCCTCATGGCCAGCAAGTGCTAAGACTCCTCTGGAGGCCCAAGCGCCTG TCTAAACTGCCCGCTGTGGACCCTGCAGAACTTCCCCCGCAGCTGGCGGAACTGGGC ATCCACGGCGCCACCGAAGTCGTTACCTGGACATCAAGCCAGGGGGTAAAGCCAATGAC CCCATTCTTGGGGCAGCTGACCCTCTGCATGAAGGCCAAGTCCCGCCGTCCTTTCGG AGTCGGACCCACCTGCAGTTCAGGCCCGGTGGNCTTGATTGTTCCGGCCTCTGGCCCC CGGGACAGCTCGTTTGAACCCACCTCTGCTTT</p> |
| Restriction Sites: | NotI-NotI |
| ACCN: | BC014156 |
| Insert Size: | 1500 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). |
| 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: [BC014156.1](#)

RefSeq Size: 2024 bp

RefSeq ORF: 1338 bp

Locus ID: 124565

Cytogenetics: 17q25.3

Protein Families: Transmembrane

Gene Summary: Putative sodium-dependent amino acid/proton antiporter.[UniProtKB/Swiss-Prot Function]