

## Product datasheet for **SC302948**

### SLC38A10 (NM\_001037984) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC38A10 (NM_001037984) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC38A10
Synonyms:	PP1744
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001037984, the custom clone sequence may differ by one or more nucleotides

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ATGACCGCGCCGCCCTCCAACCTGGGGGCTGATCACGAACATCGTGAACAGCATCGTA
GGGGTCAGTGTCTCACCATGCCCTTCTGCTTCAAACAGTGCGGCATCGTCTGGGGCG
CTGCTCTTGGTCTTCTGCTCATGGATGACGCACCAGTCGTGCATGTTCTTGGTGAAGTC
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GGCAAGATGCTGGTGGAGACCAGCATGATCGGGCTGATGCTGGGCACCTGCATCGCCTTC
TACGTCGTGATCGCGCACTTGGGGTCCAACCTTCTTGGCCGGCTGTTCCGGTTTCAGGTG
GGCGGCACCTTCCGCATGTTCTGCTGTTCCCGTGTGCGTGTGCATCGTCTCCCGCTC
AGCCTGCAGCGGAACATGATGGCCTCCATCCAGTCCTTACAGCGCATGGCCCTCCTCTTC
TACACCGTGTTTATGTTGCTGATCGTGCTCCTCTCTCAAGCACGGCCTTTCAGTGGG
CAGTGGCTGCGGCGGGTCAGCTACGTCCGCTGGGAGGGCGTCTTCCGCTGCATCCCCATC
TTCGGCATGTCCTTCGCCTGCCAGTCCCAGGTGCTGCCACCTACGACAGCCTGGATGAG
CCGTGAGTAAAACCATGAGCTCCATATTTGCTTCCCTCCCTAATGTGGTACCACCTTC
TACGTCATGGTGGGGTTTTTCGGCTACGTACGTTCCAGGAGCCACGGCCGGCAACGTG
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GTGGCTGTGGGCTTCCCATGATGATCCTGCCATGCAGGCAGGCCCTGAGCAGCTGCTG
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TGGGTCGGCCTGGGCGTCTGTTGGTGGAGCACTGTACCACACTGTCTGTGAGCGAGGAG
GTCCCCGAGGACTTGGCAGAGGAAGCCCTGGCGGCGGCTTGGAGAGGCCGAGGGTTTG
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GATCGCCCTGGGCAAGGATTGCTGTGCCTGTGGCGAGGCCACCGCCACGAGCCTCCT
GTTCTCACGACAAGGTGGTGGTAGATGAAGGCCAAGACCCGAGAGGTGCCAGAAGAGAAC
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CCTCTGCCGACTCAGAAAGAGAGAAAACAAGAGCCGGAGCAGGGAGAGGTTGGGAAGAGG
CCTGGACAGGCCAGGCCTTGGAGGAGGCGGGTGTCTTCTGAAGATCCCCAGAAAGTT

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CCAGAAGCAGATGGTCAGCCAGCTGTCCAGCCTGCAAAGGAGGACCTGGGGCCAGGAGAC  
 AGGGGCCTGCATCCTCGGCCCCAGGCAGTGTGTCTGAGCAGCAGAACGGCCTGGCGGTG  
 GGTGGAGGGGAAAAGGCCAAGGGGGGACC GCCCGCCAGGCAACGCCCGGGGACACAGGG  
 CAGCCCCAGAGGACAGCGACCACGGTGGGAAGCCTCCCTCCCAGCGGAGAAGCCGGCT  
 CCAGGGCCTGGGCTGCCGCCGAGCCTCGCGAGCAGAGGGACGTGGAGCGAGCGGGTGA  
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 CAAAGTACAGGACGTTACTGGCGTTCCCAAGACAGGAAAAACCTGGGAAGGAGGTGGCA  
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 CTGCGGGTCACTCTGATGGCGAGCAGGGTGGACAGCAGGGCCACCGGCTGGACCATGGC  
 GGTACCTGGAGATGAGAAAAGCCCGGGGGGGACCATGTGCCCTGTGTCCCACGAGCAG  
 CCGAGAGCGGGGAGGACGCTGTGTCCAGGAGCCAGGCAGAGGCCAGAGCCAGAGCTG  
 GGGCTCAAACGAGCTGTCCCGGGGGCCAGAGGCCGACAAATGCCAAGCCCAACGGGGAC  
 CTGAAAACCTGCAGGCTGGCTCCGACCTCCGAGGGCAGCGCGGGACCTTGGCCCTCATGCA  
 GAGGGTACAGTGGCCCCGAGGATGGGGTCACTATTGGCCTTAACCCCTGCCTGATGTC  
 CAGGTGAACGACCTCCGTGGCGCCTGGATGCCAGCTCCGCCAGGCTGCGGGGGGAGCT  
 CTGCAAGTGGTCCACAGCCGGCAGCTTAGACAGGCGCCTGGGCTCCAGAGGAGTCTAG

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_001037984

**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:	<u>NM_001037984.1, NP_001033073.1</u>
RefSeq Size:	4303 bp
RefSeq ORF:	3360 bp
Locus ID:	124565
UniProt ID:	<u>Q9HBR0</u>
Cytogenetics:	17q25.3
Protein Families:	Transmembrane
Gene Summary:	Putative sodium-dependent amino acid/proton antiporter.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).