

Product datasheet for **SC320896**

SLC38A10 (NM_138570) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC38A10 (NM_138570) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC38A10
Synonyms:	PP1744
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_138570.2
 GTGTCCCTAGCTGGTCTGCGGCTCTTCCGGTCTGGGCTCGGAGATTACAGGCGGCCCG
 CGAGGCCGAGCGAGGGACGCATGGCCCTGAGGCGGCCGAGGGCTTGGCGGGTCCGGAG
 GTTGACCTCGCCCCGACGCCGGCTTCGAGGCTGCCTCTCCAGGCAGCCTCTGGGGCC
 CGCGCCCGCGCTGCTCAGGCTCCCGTGTTCAGGCTGCCATCCCCTCCCACCGCGTC
 CGCGACGTTGGACCTGTGACCGTGGCTCGGGCTGGGTTCCAAAGCCGGCCGACGCC
 GCGGACCCCGAGGCTCTCGCCCCGGGCCCTAGACCTCTCACTATGACCGCGGCCCC
 GCCTCCAACTGGGGCTGATCACGAACATCGTGAACAGCATCGTAGGGTCAAGTGCCTC
 ACCATGCCTTCTGCTTCAAACAGTGCGCATCGTCTGGGGGCGCTGCTTGTGCTTC
 TGCTCATGGATGACGCACCAGTCGTGCATGTTCTTGGTGAAGTCGGCCAGCCTGAGCAAG
 CGGAGGACCTACGCCGGCTGGCATTCCACGCCTACGGGAAGGCAGGCAAGATGCTGGTG
 GAGACCAGCATGATCGGGCTGATGCTGGGCACCTGCATCGCCTTCTACGTCGTGATCGGC
 GACTTGGGGTCCAACTTCTTGGCCGGCTGTTCCGGTTTCAGGTGGGCGGCACCTTCCGC
 ATGTTCTGCTGTTCCCGTGTGCTGTGCATCGTCTCCGCTCAGCCTGCAGCGGAAC
 ATGATGGCCTCCATCCAGTCCTTACGCGCATGGCCCTCTTCTACACCGTGTTCATG
 TTCGTGATCGTGTCTCCTCTCAAGCAGGCCCTTTCAGTGGGCAAGTGGCTGCGGCGG
 GTCAGTACGTCCGCTGGGAGGGCGTCTCCGCTGCATCCCCTCTTCGGCATGTCTTC
 GCCTGCCAGTCCCAGGTGCTGCCACCTACGACAGCCTGGATGAGCCGTCAGTGAAGAAC
 ATGAGCTCCATATTTGCTTCCCTCCCTAATGTGGTCACCACCTTCTACGTCATGGTGGGG
 TTTTTCGGCTACGTCAGCTTACCGAGGCCACGGCCGCAACGTGCTCATGCACTTTCCC
 TCCAACCTGGTGACGGAGATGCTCCGTGTGGGCTTCATGATGTCAGTGGCTGTGGGCTTC
 CCCATGATGATCCTGCCATGCAGGCAGGCCCTGAGCAGCTGCTGTGTGAGCAGCAGCAA
 AAAGATGGCACCTTTGCAGCAGGGGGCTACATGCCCCCTCCCGTTTAAAGCACTTACC
 CTCTCTGTGGTGTGGAAACCATGGTTGGTGGCATCCTTATCCCAACGTGGAGACCATC
 CTGGGCCCTCACAGGAGCGACCATGGGAAGCCTCATCTGCTTTCATCTGCCCGCGTGATC
 TACAAGAAAAATCCACAAGAAGCAGCTTTCTCCAGGTGGTGTGGGTGCGCCTGGGC
 GTCCTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT
 GCAGAGGAAGCCCTGGCGGCCGGCTTGGAGAGGCCGAGGGTTTGGTGAAGGTGGAGGCA
 GCGCGGCTCTCAGCCAGGATCCGGTTGTGGCCGTGGCTGAGGATGGCCGGGAGAAGCCG
 AAGCTGCCGAAGGAGAGAGAGAGGAGCTGGAGCAGGCCAGATCAAGGGGCCGTTGGATGTG
 CCTGGACGGGAAGATGGCAAGGAGGCACCGGAGGAGGCACAGCTCGATCGCCTGGGCAA
 GGGATTGCTGTGCTGTGGGCGAGGCCACCGCCACGAGCCTCCTGTTCTCACGACAAG
 GTGGTGGTAGATGAAGGCCAAGACCGAGAGGTGCCAGAAGAGAACAACCTCCATCCAGA
 CACGCGGGCGGAAAGGCTCCAGGGGTCCAGGGCCAGATGGCGCCGCTCTGCCGACTCA
 GAAAGAGAGAAACAAGAGCCGGAGCAGGGAGAGGTTGGGAAGAGGCCGTTGGACAGGCCAG
 GCCTTGGAGGAGGCGGGTGTCTTCTGAAGATCCCCAGAAAGTTCCAGAAGCAGATGGT
 CAGCCAGCTGTCCAGCCTGCAAAGGAGGACCTGGGGCCAGGAGACAGGGGCTGCATCCT
 CGGCCCCAGGCAGTGTCTGTGAGCAGCAGAACGGCCTGGCGGTGGTGGAGGGGAAAAG
 CCAAGGGGGGACCGCCGCCAGGCAACGCCCGGGGACACAGGGCAGCCCGCAGAGGAC
 AGCGACCACGGTGGGAAGCCTCCCTCCAGCGAGAAGCCGGCTCCAGGGCCTGGGCTG
 CCGCCCCAGCCTCGCGAGCAGAGGGACGTGGAGCGAGCGGGTGGAAACAGGCGGCCAGC
 CAGCTGGAGGGTAAGGCCTCCGCCCTACAGCCGCTGCCTCAGGCCAGGGAGCGGCAGC
 CCCCTCCCCAGCCCTGGGGTGTGCCAGGTCATCCTCGGGAGCCCTGCCAGGCCCCCC
 TTCTCTTTCCAGCCGCTGCTGAGCAGACCCCTCGGAGAGCTTTCTGCTCCCTTCCCATC
 AGCAGCTTGTCTTCTGGAACTTTTATCTGCCTTACTCCCTTTAAACACCTGCGGCAT
 CGTCACATGGCTTGTGATTACCGTTTTATCTCCCTTGTCCCTTTAAAAACCTGCGGC
 ATTGTCAA
 AAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_138570

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:	<ol style="list-style-type: none">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_138570.2</u> , <u>NP_612637.1</u>
RefSeq Size:	3078 bp
RefSeq ORF:	2343 bp
Locus ID:	124565
UniProt ID:	<u>Q9HBR0</u>
Cytogenetics:	17q25.3
Domains:	Aa_trans
Protein Families:	Transmembrane
Gene Summary:	Putative sodium-dependent amino acid/proton antiporter.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) includes a 3' terminal exon that extends past a splice site used in variant 1. This results in a novel 3' coding region and 3' UTR, compared to variant 1. It encodes isoform b which is shorter and has a distinct C-terminus, compared to isoform a.