

Product datasheet for **SC120418**

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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_138570, the custom clone sequence may differ by one or more nucleotides

```
ATGACCGCGGCCCGCCCTCCAACCTGGGGGCTGATCACGAACATCGTGAACAGCATCGTAGGGGTCAGTG
TCCTCACCATGCCCTTCTGCTTCAAACAGTGCGGCATCGTCTGGGGGCGCTGCTCTTGGTCTTCTGCTC
ATGGATGACGCACCAGTCGTGCATGTTCTTGGTGAAGTCGGCCAGCCTGAGCAAGCGGAGGACCTACGCC
GGCCTGGCATTCCACGCCTACGGGAAGGCAGGCAAGATGCTGGTGGAGACCAGCATGATCGGGCTGATGC
TGGGCACCTGCATCGCCTTCTACGTCGTGATCGGCGACTTGGGGTCCAACCTCTTTGCCCGGCTGTTCCGG
GTTTCAGTGGGGCGGCACCTTCCGCATGTTCTGCTGTTCCGCGTGTGCGTGTGCATCGTCTCCCGCTC
AGCCTGCAGCGGAACATGATGGCCTCCATCCAGTCCTTCCAGCGCCATGGCCCTCTCTTCTACACCGTGT
TCATGTTCTGTCATCGTCTCTCTCAAGCACGGCCTCTTCCAGTGGGAGTGGCTGCGGCGGGTCAG
CTACGTCGCTGGGAGGGCGTCTCCGCTGCATCCCCATCTTCCGATGTCTTCCGCTGCCAGTCCAG
GTGCTGCCACCTACGACAGCCTGGATGAGCCGTGAGTAAAACCATGAGCTCCATATTTGCTTCTCTCCC
TTAATGTGGTCACCACCTTCTACGTCATGGTGGGGTTTTTCGGCTACGTCAGCTTACCAGAGGCCACGGC
CGCAACGTGCTCATGCACTTCCCTCCAACCTGGTGACGGAGATGCTCCGTGTGGGCTTATGATGTCA
GTGGCTGTGGGCTTCCCATGATGATCCTGCCATGCAGGCAGGCCCTGAGCACGCTGCTGTGTGAGCAGC
AGCAAAAAGATGGCACCTTTCAGCAGGGGGCTACATGCCCCCTCTCCGGTTTAAAGCACTTACCCTCTC
TGTGGTGTGGAAACCATGGTGGTGGCATCCTTATCCCAACGTGGAGACCATCCTGGGCTCACAGGA
GCGACCATGGGAAGCCTCATCTGCTTCACTGCCCGGCGCTGATCTACAAGAAAAACCAAGAAGCAGC
TTTCTCCAGGTGGTGTGTTGGTGGGTCGGCCTGGGCGTCTGGTGGTGGAGTGTACCACACTGTCTGT
GAGCGAGGAGTCCCGAGGACTTGGCAGAGGAAGCCCTGGCGGCCGGCTTGGAGAGCCGAGGGTTTG
ATGAAGGTGGAGGCAGCGGCTCTCAGCCCAGGATCCGGTTGTGGCCGTGGCTGAGGATGGCCGGGAGA
AGCCGAAGCTGCCGAAGGAGAGAGAGGAGCTGGAGCAGGCCAGATCAAGGGGCCGTGGATGTGCCTGG
ACGGGAAGATGGCAAGGAGGCACCGGAGGAGGCACAGCTCGATCGCCCTGGGCAAGGGATTGCTGTGCCT
GTGGGCGAGGCCACCGCCACGAGCCTCTGTTCTCACGACAAGGTGGTGGTAGATGAAGGCCAAGACC
GAGAGGTGCCAGAAGAGAACAACCTCCATCCAGACACGCGGGCGAAAGGCTCCAGGGTCCAGGGCCA
GATGGCGCCGCTCTGCCGACTCAGAAAGAGAGAAACAAGGCCGAGCAGGGAGAGGTTGGGAAGAGG
CCTGGACAGGCCAGGCCTTGGAGGAGGCGGGTATCTTCTGAAGATCCCAGAAAGTCCAGAAGCAG
ATGGTCAGCCAGCTGTCCAGCCTGCAAAGGAGGACCTGGGGCCAGGAGACAGGGGCTGCATCCTCGGCC
CCAGGCAGTGCTGTCTGAGCAGCAGAACGGCCTGGCGGTGGTGGAGGGAAAAGGCCAAGGGGGACCG
CCGCCAGGCAACGCCCGGGGACACAGGCAGCCCGCAGAGGACAGCGACCACGGTGGGAAGCCTCCCC
TCCCAGCGGAGAAGCCGGCTCCAGGGCCTGGGGTCCCGCCGAGCCTCGCGAGCAGAGGGACGTGGAGCG
AGCGGGTGGAAACCAGGCGGCCAGCCAGCTGGAGGGTAAGGCCTCCGCCCTACAGCCGCTGCCTCAGGC
CCAGGGAGCGGCAGCCCTCCCCAGCCCTGGGGTGTGCCAGGTCATCCTCGGGAGCCCTGCCAGGC
CCCCCTTCTTTCCAGCCGCTGCTGAGCAGACCCCTCGGAGAGCTTTCTGCTCCCTTCCCATCAGCAG
CTTGCTTTCTGGGAACCTTTTATCTGCCTTACTCCCTTAAACACCTGCGGCATCGTCACATGGCTTGT
GATTACCGTTTTATCTCCCTTGTCCCTTTAA
```

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_138570 unedited GATTTTGTATACGACTACTATAGGGCGGCCGGAATTCGGCACGAGGAGAAACAGAGCC GGAGCAGGGAGAGGTTGGGAAGAGGCCTGGACAGGCCAGGCCTTGGAGGAGGCGGGTGA TCTTCCTGAAGATCCCCAGAAAGTTCCAGAAGCAGATGGTCAGCCAGCTGTCCAGCCTGC AAAGGAGGACCTGGGGCCAGGAGACAGGGGCCTGCATCCTCGGCCCCAGGCAGTGTCTGC TGAGCAGCAGAACGGCCTGGCGGTGGGTGGAGGGGAAAAGGCCAAGGGGGGACCGCCGCC AGGCAACGCCCGGGGACACAGGGCAGCCCGCAGAGGACAGCCAGCCAGCTGGGAAGCC TCCCCTCCCAGCGAGAAGCCGGCTCCAGGGCCTGGGCTGCCGCCGAGCCTCGCGAGCA GAGGGACGTGGAGCGAGCGGGTGGAAACCAGGCGCCAGCCAGCTGGAGGAAGCTGGCAG GGCGGAGATGCTGGACCACGCCCTCTGCTTCAGGTGATCAAAGAACAGCAGGTGCAGCA AAAGCGCTTGCTGGACCAGCAGGAGAAGCTGCTGGCGGTGATCGAGGAGCAGCACAAGGA GATCCACCAGCAGAGGCAGGAGGACGAGGAGGATAAACCCAGGCAGGTGGAGGTGCATCA AGACCCCGNGCAGCGGTGCCAGAGGCCAGGAGCCCTGAAGGCAAGGCCAGNGAGAC GGTGGAGAATCTGCCTCCCTGCCTTTGACCCCTGTCTCAGAGCTNCTGGGGCCGCC TGCTCCATCCCAGGACCTTAACCAGCGCTCCCTGGAGCACTCTGAGGGCCCTGTGGGCG AGACCCTGCTGGCCCTTCTGACNNGCGNCCTGACACAGAGCCTCGGNCAGNCCAGNCCAG CTGAGAGATGGCAGAAGGATGCCGNCAGGAGCTGACTGTGAAGAGTCCCAGGCCN GNAGCAGTGCCGTGCGACCCG
Restriction Sites:	NotI-NotI
ACCN:	NM_138570
Insert Size:	2500 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:	<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_138570.1</u> , <u>NP_612637.1</u>
RefSeq Size:	3121 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.