

Product datasheet for **MC211279**

Slc38a10 (NM_001164801) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc38a10 (NM_001164801) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc38a10
Synonyms:	1810073N04Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC211279 representing NM_001164801
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACGGCCGCTCCACCTCCAAGTGGGGCTGATCACGAACGTGGTGAACAGCATCGTGGCGTCAGCG
 TGCTACCATGCCTTTCTGCTTCAAGCAGTGTGGCATTGTCTGGGGCCCTGCTCCTGGTCTTCTGCTC
 CTGGATGACACACCAAGTCTTGCATGTTCTTGGTGAAGTCGGCCAGCCTGAGCAAGAGGAGACCTATGCT
 GGCCTGGCGTTCCACGCCTACGGCAAGGCCGGAAGATGCTGGTGGAGACCAGCATGATTGGGCTGATGC
 TGGGATCTGCATTACCTTCTATGTCGTGATCGGTGACTTGGGGTCCAACCTCTTTGCTCCGCTGCTTGG
 ATTACAGGTGACCAGGACTGTCCGTGTCTTCTGCTCTTCGCAGTGTCCCTGTTTCATTGTGCTCCCGCTC
 AGCCTGCAGAGAAACATGATGGCCTCTATCCAGTCTTCAGTGCCATGGCGCTCCTCTTCTACACCGTCT
 TCATGTTTCGTGATTGTGCTGTCCCTTAAACATGGCCTCTTTAGTGGCAGTGGCTGCGACAGGTCAG
 CTACATTCGCTGGGAAGGTGTTTTCCGCTGTGTCCCATCTTTGGCATGTCTTTGCCTGTCAGTCCCAG
 GTCTGCCACCTATGACAGCCTGGACGAGCCATCAGTGAAGACCATGAGCTCCATCTTTGCCTCCTCCC
 TCAACGTGGTCACCGCCTTCTATGTCATGGTGGGGTTTTTTGGTTACGTCAGTTCACCTGATGCCACCAC
 AGGCAATGTGCTGATCCACTTCCCCTCAAACCCGGTGACAGAGATGATCCGAGTGGGCTTCGTGATGCT
 GTGGCTGTGGGCTTCCCATGATGATTCTGCCGTGACAGGAGGCTTGAACACACTGCTGTTTGGAGCAGC
 AGCAAAAAGATGGAACCTTTGCTGCAGGAGGCTACATGCCCCACTCCGGTTTAAAGTCCTACCCCTCTC
 GGTGGTGTGGAACCATGGTGGTGGGGTTCATGATCCCCAATGTGGAACCATCCTTGGCTTACAGGA
 GCAACGATGGGGAGCCTCATCTGCTTTATCTGCCCGCTCTGATCTATAAGAAAGCCACAAGAATGCC
 CCTCAGCCAGGATCTAGAGTCATGTAGGAGACAACCCTCTGGAGTGGCTGCCTGGGCTTGAGTGATAT
 GGGAGGAGCCACTCTAACTACCGTCCCAGGGCCTGAGGTCGGGCCAACCCAGAGAGGAATGAGTGGCAGA
 GCACCAGGGTTCATCTCTACTTGC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001164801

Insert Size: 1287 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: NM_001164801.1, NP_001158273.1

RefSeq Size: 1952 bp

RefSeq ORF: 1287 bp

Locus ID: 72055

UniProt ID: [Q5I012](#)

Cytogenetics: 11 E2

Gene Summary: Putative sodium-dependent amino acid/proton antiporter.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (5) has multiple differences in the coding region, compared to variant 1, one of which results in a translational frameshift. The resulting protein (isoform 5) has a distinct C-terminus and is shorter than isoform 1.