

Product datasheet for **MC223027**

Slc38a10 (NM_001164800) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc38a10 (NM_001164800) Mouse Untagged Clone
Tag: Tag Free
Symbol: Slc38a10
Synonyms: 1810073N04Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC223027 representing NM_001164800
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACGGCCGCTCCACCTCCAAGTGGGGGCTGATCACGAACGTGGTGAACAGCATCGTGGGCGTCAGCG
TGCTCACCATGCCTTTCTGCTTCAAGCAGTGTGGCATTGTCTGGGGCCCTGCTCCTGGTCTTCTGCTC
CTGGATGACACACCAGTCTTGCATGTTCTTGGTGAAGTCGGCCAGCCTGAGCAAGAGGAGGACCTATGCT
GGCCTGGCGTTCCACGCCTACGGCAAGGCCGGGAAGATGCTGGTGGAGACCAGCATGATTGGGCTGATGC
TGGGATCCTGCATTACCTTCTATGTCGTGATCGGTGACTTGGGGTCCAACCTCTTTGCTCCGCTGCTTGG
ATTACAGGTGACCAGGACTGTCCGTGTGTTCTGCTCTTCGCAGTGTCCCTGTTCAATTGTGCTCCCGCTC
AGCCTGCAGAGAAACATGATGGCCTCTATCCAGTCCTTCAGTGCCATGGCGCTCCTCTTCTACACCGTCT
TCATGTTGCTGATTGTGCTGTCCCTTAAACATGGCCTCTTTAGTGGCAGTGGCTGCGACAGGTCAG
CTACATTCGCTGGGAAGGTGTTTTCCGCTGTGTCCCATCTTTGGCATGTCCTTTGCCTGTCAGTCCCAG
GTCCTGCCACCTATGACAGCCTGGACGAGCCATCAGTGAAGACCATGAGCTCCATCTTTGCCTCCTCCC
TCAACGTGGTCACCGCCTCTATGTCATGGTGGGTTTTTTGGTTACGTCAGTTCAGTATGCCACCAC
AGGCAATGTGCTGATCCACTCCCTCCAACCCGGTGACAGAGATGATCCGAGTGGCTTCGTGATGTCT
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AGCAAAAAGATGGAACCTTTGCTGCAGGAGGCTACATGCCCCACTCCGGTTTTAAAGTCTCACCCTCTC
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GCAACGATGGGGAGCCTCATCTGCTTTATCTGCCCGCTCTGATCTATAAGAAAGCCACAAGAATGCC
CCTCAGCCAGGTGGTGTCTGGTTCGGCTGGGCATCCTCGTGGTCAGCACACTCACCACCTCTCTGT
GACCGAAGAAGCTCCTCTGGACTTGACGCAAGAAGCTCGCAGCGCCACCAGGAGATGCTGAGGGCGCA
ATGAAGGTGGAGCAGCTCGGCTATCAGTCCAGGATCCCCTTGTAGTTGTTGCTGAGGATAGCCAAGAGA
AGCTAAAGCCAGCAGAGGACAAAGAGGTAAGTGGAGCAGGCCAGATCAAGGGTCCGTAGATGTGCTGG
CGGGGAAGCTCCAAGGAGAAGCAGGAAGCCGCACAGCTGGATCGCCCGGCCAAGGTATTGCTGTCCCT
ATGGGTGAGGCCATCGCCATGAGCCTCCCATCCCTCATGATAAAGTGGTGGTGAAGGCCAGGACC



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AAGAAGGGCCAGAGGAGAAAAAGCCACCTCCCAGGCTCCCAGATGAAGGAGACCCTGCAGGCAGGGGTCA
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CTGTGCAGCCCAGGAAGGAAGATTCCAGGCCAGGAAATAGGGATCCGCAGCCAGCTGCCAGGCCAGGGA
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CCCGTGTGGAGCTCTAGGGTGCCTCCATCCCAAGACATGGGCCAGCACCTCCAGGGGAAG
TCAAGGTGCTGCCAGGCAGAGACCTTGTGACCTTCTGCTGGTGGCTCTGAAACAGAGCCCAGGGGGC
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GGGACTTGAAGCAGTGACAAGGCAGCCCTCCTGAGGTACCAAGAGTCCAGAGAAGCAGGTTGCCA
AGGCAGTTGCCGGCAGCGCCAAGATGTCTTGGTGAAGGCTCCGAAGAAAGGAAAGAACTGGAAGGA
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ACAAAATCCAGGCAGTCGGGACCCACCAAGGCCCAAGTTCAGACCAAGCCAAGTTTACCCAGAACCC
AGGCCATCTTTGACACAGGTGAGGTTCTACCCAGAGGTGAGAAGTGAAGCCCGGAGCGGTTACAT
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AACTCTGGGCCAAACTAGCTGTGCTGCGGGTCAAGAGCCAGAGAATGCCAAACCAACCGAGACCTAA
AAGTGCAGGCTGGCTCTGACCTGCGGAGGAGACGGCGGGATCTGGCCTCTCATCCAGAGCAGGAGCTGC
TCCAAAGGATGGGCTCATATTAGCTTTAACTCCCTCCCTAATGTTGAGGTGAACGACCTCCGAGTGCT
CTGGACACCCAGCTCCGCCAGGCTGCAGGGCTGCGTTGCAAGTGGTACACAGCCGACAGATTAACAGT
TGCTGGAGATCTGGAGGAAGCC TGA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001164800
- Insert Size:** 3246 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_001164800.1](#), [NP_001158272.1](#)

RefSeq Size: 4565 bp

RefSeq ORF: 3246 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 (4) lacks an alternate in-frame exon and uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. This results in a shorter protein (isoform 4), compared to isoform 1.