

Product datasheet for MC223516

Slc38a10 (NM_024249) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc38a10 (NM_024249) 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: >MC223516 representing NM_024249
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGACGGCCGCTCCACCTCCAAGTGGGGGCTGATCACGAACGTGGTGAACAGCATCGTGGGCGTCAGCG
 TGCTCACCATGCCTTTCTGCTTCAAGCAGTGTGGCATTGTCTGGGGCCCTGCTCCTGGTCTTCTGCTC
 CTGGATGACACACCAGTCTTGCATGTTCTTGGTGAAGTCGGCCAGCCTGAGCAAGAGGAGGACCTATGCT
 GGCTGGCGTTCCACGCCTACGGCAAGGCCGGGAAGATGCTGGTGGAGACCAGCATGATTGGGCTGATGC
 TGGGATCCTGCATTACCTTCTATGTCGTGATCGGTGACTTGGGGTCCAACCTCTTTGCTCCGCTGCTTGG
 ATTACAGGTGACCAGGACTGTCCGTGTGTTCTGCTCTTCGCAGTGTCCCTGTTCAATTGTGCTCCCGCTC
 AGCCTGCAGAGAAACATGATGGCCTCTATCCAGTCCTTCAGTGCCATGGCGCTCCTCTTCTACACCGTCT
 TCATGTTGCTGATTGTGCTGTCCCTTAAACATGGCCTCTTTAGTGGCAGTGGCTGCGACAGGTCAG
 CTACATTCGCTGGGAAGGTGTTTTCCGCTGTGTCCCATCTTTGGCATGTCCTTTGCCTGTCAGTCCCAG
 GTCCTGCCACCTATGACAGCCTGGACGAGCCATCAGTGAAGACCATGAGCTCCATCTTTGCCTCCTCCC
 TCAACGTGGTCACCGCCTTCTATGTCATGGTGGGTTTTTTGGTTACGTCAGTTCAGTATGCCACCAC
 AGGCAATGTGCTGATCCACTCCCTCCAACCCGGTGACAGAGATGATCCGAGTGGCTTCGTGATGCTCT
 GTGGCTGTGGGCTTCCCATGATGATTCTGCCGTGCAGGCAGGCTTGAACACACTGCTGTTTGAGCAGC
 AGCAAAAAGATGGAACCTTTGCTGCAGGAGGCTACATGCCCCACTCCGGTTTTAAAGTCTCACCCCTCTC
 GGTGGTGTGGAAACATGGTTGGTGGGTCATGATCCCCAATGTGAAACCATCCTTGGCTTACAGGA
 GCAACGATGGGGAGCCTCATCTGCTTTATCTGCCGGCTCTGATCTATAAGAAAGCCACAAGAATGCC
 CCTCAGCCAGGTGGTGTCTGGTTCGGCTGGGCATCCTCGTGGTCAGCACACTCACCACCTCTCTGT
 GACCGAAGAAGCTCCTCTGGACTTGACGCAAGAAGCTCGCAGCGCCACCAGGAGATGCTGAGGGCGCA
 ATGAAGGTGGAGCAGCTCGGCTATCAGTCCAGGATCCCCTTGTAGTTGTTGCTGAGGATAGCCAAGAGA
 AGCTAAAGCCAGCAGAGGACAAAGAGGTAAGTGGAGCAGGCCAGATCAAGGGTCCGTAGATGTGCTGG
 CGGGGAAGCTCCAAGGAGAAGCAGGAAGCCGCACAGCTGGATCGCCCGGCCAAGGTATTGCTGTCCCT
 ATGGGTGAGGCCATCGCCATGAGCCTCCCATCCCTCATGATAAAGTGGTGGTGAAGGCCAGGACC



AAGAAGGGCCAGAGGAGAAAAAGCCACCTCCCAGGCTCCCAGATGAAGGAGACCCTGCAGGCAGGGGTCA
 AGGGGCACCACCTCTGCCTGAGTCAGAGAAGGAGAAGCAGGAACCTGAGAGAGGAGGGGAAGGAAAGAGA
 CCCGGGAAGTCTTGGCAGTAGGAGAACTGAACATCCTCAGAAGGTTCCAGAAGCAAATGGCCAGCCAC
 CTGTGCAGCCCAGGAAGGAAGATTCCAGGCCAGGAAATAGGGATCCGCAGCCAGCTGCCAGGCCAGGGA
 CTCTGTGGAGCTGAAGGCTCTGGCAGCAGATGACGGCAGGGAGCCTGCACAGAAGGCTGGAGGCGCCCTG
 TGAAGCCCGTGGAGAGTGTCTGAGAGCGATGCTGGTGGGAAGGCGGGCTCCCTGTGCAAAGGCCGG
 AGGCTGCAGAGCAGAGGGAAGAAGGAGGCTGAGCAACAGGGTGGAGACCAGGCCAGGGGGAGCAAGCTGGA
 AGCTGAAATTAAGCTAGTAGCAGAAGCTGGGAGGGCAGAGATGCTGGACCATGCCGTGCTGCTACAG
 GTGATCCAAGAGCAGCAGGTGCAGCAGAAGCGCCTCCTGGACCAGCAGGAAAAGCTGCTCGCAGTGATTG
 AGGAGCAGCACAAGGAGATCCGGCAGCAGCGACAGGAGGGCGAGGAAGACAAGCCTAAGCCTGCAGACGT
 GCAGCCAGAGCCTGGGGTGGCTGTACTCCGAGGACAGGAGGAGGAGGCTGAGCACGCTGGGGAGACTG
 GGAGATGACCCTTACAGCCTTTGCAACCCGTGCTTGGAGCTCCTAGGGTGCAGCCGCTCCATCCCAAG
 ACATGGGCCAGCACCTCCAGGGGAAGTCAAGGTGCTGCCAGGCAGAGACCTTGTGACCTTCTGCTGG
 TGGCTCTGAAACAGAGCCCCAGGGGCCCCGATTGATCTGAGAGAAGACCCGAAAGCTGCCATCAAGGGC
 GCTGGAGCTGGGAAGGAGCTGGTCCCAGGGGACTTGAAGCAGTGCACAAGGCAGCCCTCCTGAGGTAC
 CCAAGAGTCCAGAGAAGCAGGTTGCCAAGGCAGTTGCCGGGCAGCGCCAAGATGTCTTTGGTGAAGGCTC
 CGAAGAAAGGAAAGAACTGAAAGGAAGCAATGGCCCTTGGTGTGATCTCAGAAAGAGGCTGTCCAG
 CCCTTGGTAGGAGCAGAAGCTAAGGACACAAAATCCAGGCAGTCGGGACCCACCAAGGCCCCAGTTCAAG
 CCCAAGCCAAGTTTACCCAGAACCCAGGCCATCTTTGACACAGGTCAGGGTCTCACCCAGAGGTGAG
 AAGTGAGGCCCCCGAGCGGTTACATACCTCTGAGGAGCAGCACAAGGAAAAGGGGGTGCCGCCATC
 CAGGAGGCAAAGCAGAGACCAGATCCTAACTCTGGGCCAAACTAGCTGTGCTGCGGGTCAAGAGCCAG
 AGAATGCCAAACCAACCGAGACCTAAAAGTGCAGGCTGGCTCTGACCTGCGGAGGAGACGGCGGGATCT
 GGCCTCTCATCCAGAGCAGGAGCTGGCTCCAAAGGATGGCGTCATCATTAGCTTTAACTCCCTCCCTAAT
 GTTCAGGTGAACGACCTCCGCAGTGTCTGGACACCCAGCTCCGCCAGGCTGCAGGGGCTGCGTTGCAAG
 TGGTACACAGCCGACAGATTAACAGTTGTCTGGAGATCTGGAGGAAGCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_024249
- Insert Size:** 3273 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_024249.5](#), [NP_077211.4](#)

RefSeq Size:	4592 bp
RefSeq ORF:	3273 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 (1) represents the longest transcript and encodes the longest isoform (1).