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Product datasheet for MC223097

Slc38a10 (NM_001164798) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc38a10 (NM_001164798) 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:	>MC223097 representing NM_001164798 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGACGGCCGCCTCCACCTCCAAGTGGGGGCTGATCACGAACGTGGTGAACAGCATCGTGGGCGTCAGCG TGCTCACCATGCCTTTCTGCTTCAAGCAGTGTGGCATTGTCCTGGGGGCCCTGCTCCTGGTCTTCTGCTC CTGGATGACACACCAGTCTTGCATGTTCTTGGTGAAGTCGGCCAGCCTGAGCAAGAGGAGGACCTATGCT GGCCTGGCGTTCCACGCCTACGGCAAGGCCGGGAAGATGCTGGTGGAGACCAGCATGATTGGGCTGATGC TGGGATCCTGCATTACCTTCTATGTCGTGATCGGTGACTTGGGGTCCAACTTCTTTGCTCCGCTGCTTGG ATTACAGGTGACCAGGACTGTCCGTGTGTTCCTGCTCTTCGCAGTGTCCCTGTTCATTGTGCTCCCGCTC AGCCTGCAGAGAAACATGATGGCCTCTATCCAGTCCTTCAGTGCCATGGCGCTCCTCTTCTACACCGTCT TCATGTTCGTGATTGTGCTGTCCTCCCTTAAACATGGCCTCTTTAGTGGGCAGTGGCTGCGACAGGTCAG CTACATTCGCTGGGAAGGTGTTTTCCGCTGTGTCCCCATCTTTGGCATGTCCTTTGCCTGTCAGTCCCAG GTCCTGCCCACCTATGACAGCCTGGACGAGCCATCAGTGAAGACCATGAGCTCCATCTTTGCCTCCTCCC TCAACGTGGTCACCGCCTTCTATGTCATGGTGGGGTTTTTTGGTTACGTCAGCTTCACTGATGCCACCAC AGGCAATGTGCTGATCCACTTCCCCTCCAACCCGGTGACAGAGATGATCCGAGTGGGCTTCGTGATGTCT GTGGCTGTGGGCTTCCCCATGATGATTCTGCCGTGCAGGCAGGCCTTGAACACACTGCTGTTTGAGCAGC AGCAAAAAGATGGAACCTTTGCTGCAGGAGGCTACATGCCCCCACTCCGGTTTAAAGTCCTCACCCTCTC GGTGGTGTTTGGAACCATGGTTGGTGGGGTCATGATCCCCAATGTGGAAACCATCCTTGGCTTCACAGGA GCAACGATGGGGAGCCTCATCTGCTTTATCTGCCCGGCTCTGATCTATAAGAAAGCCCACAAGAATGCCC CCTCAGCCCAGGTGGTGCTCTGGGTCGGCCTGGGCATCCTCGTGGTCAGCACACTCACCACCCTCTCTGT GACCGAAGAAGCTCCTCTGGACTTGACGCAAGAAGCTCGCAGCGGCCACCGAGGAGATGCTGAGGGCGCA ATGAAGGTGGAGGCAGCTCGGCTATCAGTCCAGGATCCCGTTGTAGTTGTTGCTGAGGATAGCCAAGAGA AGCTAAAGCCAGCAGAGGACAAAGAGGTACTGGAGCAGGCCCAGATCAAGGGTCCTGTAGATGTGCCTGG CGGGGAAGCTCCCAAGGAGAAGCAGGAAGCCGCACAGCTGGATCGCCCCGGCCAAGGTATTGCTGTCCCT ATGGGTGAGGCCCATCGCCATGAGCCTCCCATCCCTCATGATAAAGTGGTGGTGGATGAAGGCCAGGACC

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AAGAAGGGCCAGAGGAGAAAAAGCCACCTCCCAGGCTCCCAGATGAAGGAGACCCTGCAGGCAGGGGTCA
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CAGGTGAACGACCTCCGCAGTGCTCTGGACACCCAGCTCCGCCAGGCTGCAGGGGCTGCGTTGCAAGTGG
TACACAGCCGACAGATTAAACAGTTGTCTGGAGATCTGGAGGAAGCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001164798

Insert Size: 3270 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_001164798.1, NP_001158270.1

RefSeq Size:	4589 bp
RefSeq ORF:	3270 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 (2) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.