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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC223027 representing NM_001164800
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
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AGCTAAAGCCAGCAGAGGACAAAGAGGTACTGGAGCAGGCCCAGATCAAGGGTCCTGTAGATGTGCCTGG
CGGGGAAGCTCCCAAGGAGAAGCAGGAAGCCGCACAGCTGGATCGCCCCGGCCAAGGTATTGCTGTCCCT
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ATGGGTGAGGCCCATCGCCATGAGCCTCCCATCCCTCATGATAAAGTGGTGGTGGATGAAGGCCAGGACC
AAGAAGGGCCAGAGGAGAAAAAGCCACCTCCCAGGCTCCCAGATGAAGGAGACCCTGCAGGCAGGGGTCA
AGGGGCACCACCTCTGCCTGAGTCAGAGAAGGAGAAGCAGGAACCTGAGAGAGGAGGGGAAGGAAAGAGA
CCCGGGCAAGTCCTGGCAGTAGGAGAAACTGAACATCCTCAGAAGGTTCCAGAAGCAAATGGCCAGCCAC
CTGTGCAGCCCAGGAAGGAAGATTCCAGGCCAGGAAATAGGGATCCGCAGCCAGCTGCCCAGGCCAGGGA
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TGGAAGCCCGTGGAGAGTGCTGCTGAGAGCGATGCTGGTGGGAAGGCGGGCCTCCCTGTGCAAAGGCCGG
AGGCTGCAGAGCAGAGGGAGAAGAAGGAGGCTGAGCAACAGGGTGGAGACCAGGCGGGGAGCAAGCTGGA
AGAAGCTGGGAGGGCAGAGATGCTGGACCATGCCGTGCTGCTACAGGTGATCCAAGAGCAGCAGGTGCAG
CAGAAGCGCCTCCTGGACCAGCAGGAAAAGCTGCTCGCAGTGATTGAGGAGCAGCACAAGGAGATCCGGC
AGCAGCGACAGGAGGGCGAGGAAGACAAGCCTAAGCCTGACGTGCAGCCAGAGCCTGGGGTGGCTGTACT
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CCCGTGCTTGGAGCTCCTAGGGGTCGCCCCGCTCCATCCCAAGACATGGGCCAGCACCTCCCAGGGGAAG
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CCCGATTGATCTGAGAGAAGACCCGAAAGCTGCCATCAAGGCGGCTGGAGCTGGGAAGGAGCTGGTCCCA
GGGGACTTGGAAGCAGTGCACAAGGCAGCCCCTCCTGAGGTACCCAAGAGTCCAGAGAAGCAGGTTGCCA
AGGCAGTTGCCGGGCAGCGCCAAGATGTCTTTGGTGAAGGCTCCGAAGAAAGGAAAGAAACTGGAAAGGA
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ACAAAATCCAGGCAGTCGGGACCCACCAAGGCCCCAGTTCAGACCCAAGCCAAGTTTCACCCAGAACCCC
AGGCCATCTTTGACACAGGTCAGGGTTCTCACCCAGAGGTGAGAAGTGAGGCCCCCCGAGCGGTTCACAT
ACCTCCTGAGGAGCAGCACAAAGGAAAAGGGGGTGCCGCCATCCAGGAGGCAAAGCAGAGACCAGATCCT
AACTCTGGGCCCAAACTAGCTGTGCCTGCGGGTCAGAAGCCAGAGAATGCCAAACCCAACCGAGACCTAA
AAGTGCAGGCTGGCTCTGACCTGCGGAGGAGACGGCGGGATCTGGCCTCTCATCCAGAGCAGGAGCTGGC
TCCAAAGGATGGCGTCATCATTAGCTTTAACTCCCTCCCTAATGTTCAGGTGAACGACCTCCGCAGTGCT
CTGGACACCCAGCTCCGCCAGGCTGCAGGGGCTGCGTTGCAAGTGGTACACAGCCGACAGATTAAACAGT
TGTCTGGAGATCTGGAGGAAGCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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

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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.

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