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Product datasheet for MR211617

Slc38a10 (NM_001164798) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc38a10 (NM_001164798) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc38a10
Synonyms:	1810073N04Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR211617 representing NM_001164798 Red=Cloning site Blue=ORF Green=Tags(s) 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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Protein Sequence:

>MR211617 representing NM_001164798
Red=Cloning site Green=Tags(s)

MTAASTSKWGLITNVVNSIVGVSVLTMPFCFKQCGIVLGALLLVFCSWMTHQSCMFLVKSASLSKRRTYA
GLAFHAYGKAGKMLVETSMIGLMLGSCITFYVVIGDLGSNFFAPLLGLQVTRTVRVFLLFAVSLFIVLPL
SLQRNMMASIQSFSAMALLFYTVFMFVIVLSSLKHGLFSGQWLRQVSYIRWEGVFRCVPIFGMSFACQSQ
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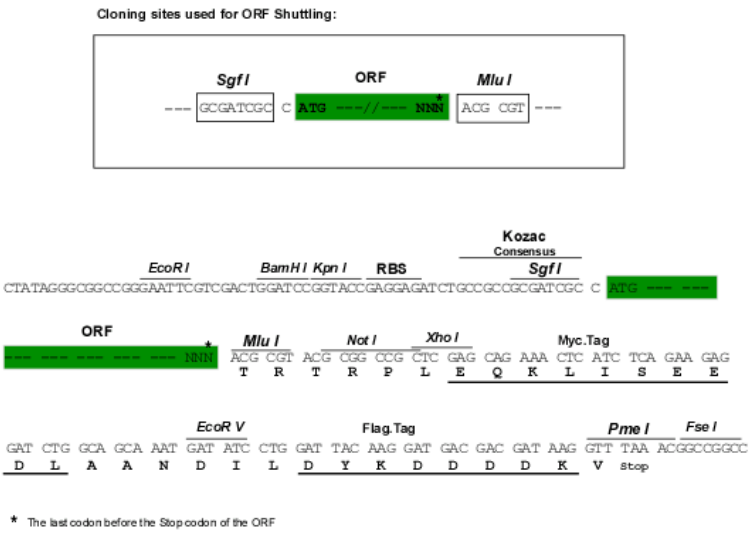
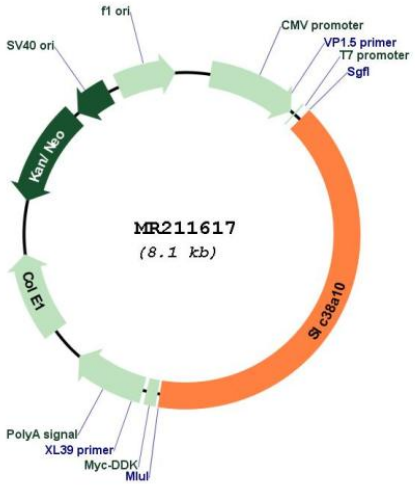
Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001164798
ORF Size:	3267 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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
MW:	117.6 kDa
Gene Summary:	Putative sodium-dependent amino acid/proton antiporter.[UniProtKB/Swiss-Prot Function]