

Product datasheet for **MG218225**

Slc38a11 (NM_177074) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc38a11 (NM_177074) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slc38a11
Synonyms:	9330158F14Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG218225 representing NM_177074
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCTATCAGCAGCCACAGCTGAGCGGTCCTCTGCAGAGAGAGACAGACTCGAGTGACAGAGAAAGCC
 TGATCTCCGACATGAACACGGAGGAAATCTAGTCAGTCTGCCGCTGTTTTCAATGTAGTCAATTCTGT
 TATAGGATCTGGGATAATAGGATTGCCTTATTCATGAAGCAAGCTGGATTTCCCTTGGGAATACTGCTT
 TTATTCTTGGTCTCATACATCACAGACTTCTCCCTAGTTTTATTGATAAAAGGAGGAGCCCTCTCTGGAA
 CAGACTCTACCAGTCTTTGGTTAACAAGACCTTTGGCTTTCCCGGTACCTGCTGCTCTCTACCTACA
 GTTTATGTACCTTTCTAGCTATGATAAGTTACAACATAATAACTGGAGATACTTTGAGCAAAGTTTTT
 CAAAGACTCCAGGAGTTGACCCTGGAGGTTGGTTTATTAGTCGGCACTTCATTATTGGGTTTCAACGG
 TTACATGTACTCTGCCATTGTCACTGTACCGAGATATAGCAAAGCTTGAAAAGATCTCTTTCATCTCTAC
 AATTTTAACTGTAATTCTTGAATCGTAATGACAAGGCCATTTCTTGGGACCAACATACCAAAG
 ACAGACAATGCTTGGGTGTTTGCAAAGCCAATGCCATCCAGGCTATTGGGGTGATGTCTTTTGCCTTCA
 TTTGCCACCATAACTGCTTCTAGTCTATGTTCTCTCGAAGAGCCACAGTAGCGAAGTGGCGCCGGAT
 TATCCACACATCCATCTTGGTTTCTGTATTCATCTGTGTGCTCTTTGCAACGTGCGGGTACTTCACTTTT
 ACTGGCTTCACTCAAGGAGACTTGTGTTGAAATTACTGCAGAAGTGATGACCTGGTGACCTTTGGGAGGT
 TTTGTTATGGTATCACTGTCATTTTGACTTACCGATTGAATGCTTTGTGACCAGAGAGGTAATTGCCAA
 TGTGTTTTTGGTGGGACTCTTTCATCAGTGTTCCACACCGTCTTAGCAGTGCTTATCGTTACTGCAGCC
 ACCTGGTATCATTGATGATTGAGTGCCTTGAATAGTTTGAAGTCAATGGTGTGCTCTGCGCGGCTC
 CTTTGATTTTTATCATCCCTCAGCTTGCTATCTGAAATTATCCGAAGAACCAAGGACACATTCGATAA
 GATAATGGCCTGTGTATGTTTCCCGTCGGGCGGTGGTGATGGTGGTAGGCTTCGTATGGCTATCACA
 AATCCTCAGGACTGCACCCACGGCAGGAAATGTTCTACTGCTTCTGAAAATGTCTCCTTCACAAACA
 CCTCCTGGTCTCATCTTCAACTGACAACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG218225 representing NM_177074
 Red=Cloning site Green=Tags(s)

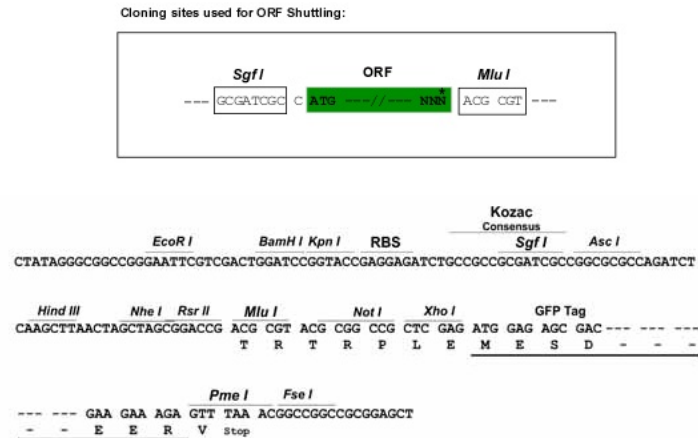
MSYQQPQLSGPLQRETDSSDRESLISGHEHGGKSSQSAAVFNVVNSVIGSGIIGLPYSMKQAGFPLGILL
 LFLVSYITDFSLVLLIKGGALSGTDSYQSLVNKTFGPGYLLSTLQFMYPFIAMISYNIITGDTLSKVF
 QRLPGVDPGGWFISRHFIIVVSTVTCTPLSLYRDIKLGKISFISTILTTVILGIVMTRAIISLGNIPK
 TDNAWVFAKPNAIQAIQVMSFAFICHHCFLVYGSLEEPTVAKWRRRIHTSILVSVFICVLFATCGYFTF
 TGFTQGDLFENYCRSDDLVTGFRFCYGITVILTYPIECFVTREIVANVFFGGTLSSVFHTVLAVLIVTAA
 TLVSLMIECLGIVLELNGVLCAAPLIFIIPSACYLKLSEEPRTSDKIMACVMFPVGAVVMVGVFVMAIT
 NPQDCTHGQEMFYCFPENVSFTNTSWSHLQLTT

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_177074

ORF Size: 1359 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_177074.2](#), [NP_796048.2](#)

RefSeq Size: 1606 bp

RefSeq ORF: 1362 bp

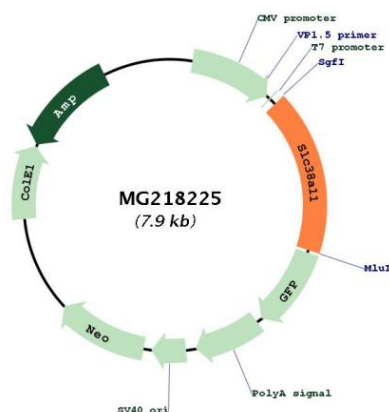
Locus ID: 320106

UniProt ID: [Q3USY0](#)

Cytogenetics: 2 C1.3

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

Product images:



Circular map for MG218225