

Product datasheet for **MR218225**

Slc38a11 (NM_177074) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc38a11 (NM_177074) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slc38a11
Synonyms:	9330158F14Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR218225 representing NM_177074
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCTATCAGCAGCCACAGCTGAGCGGTCTCTGCAGAGAGAGACAGACTCGAGTGACAGAGAAAGCC
 TGATCTCCGACATGAACACGGAGGAAATCTAGTCAGCTGCCGCTGTTTTCAATGTAGTCAATTCTGT
 TATAGGATCTGGGATAATAGGATTGCCTTATTCATGAAGCAAGCTGGATTTCCCTTGGGAATACTGCTT
 TTATTCTTGGTCTCATACATCACAGACTTCTCCCTAGTTTTATTGATAAAAGGAGAGCCCTCTCTGGAA
 CAGACTCTACCAGTCTTTGGTTAAACAAGACCTTTGGCTTTCCCGGTACCTGCTGCTCTCTACCTACA
 GTTTATGTACCTTTCTAGCTATGATAAGTTACAACATAATAACTGGAGATACTTTGAGCAAAGTTTTT
 CAAAGACTCCCAGGAGTTGACCCTGGAGTTGGTTTATTAGTCGGCACTTCATTATTGGTTTCAACGG
 TTACATGTACTCTGCCATTGTCAGTGTACCGAGATATAGCAAAGCTTGAAAAGATCTCTTTCATCTCTAC
 AATTTTAAACAAGTGAATTCTTGAATCGTAATGACAAGGCCATTTCTTGGGACCAAACATACCAAAG
 ACAGACAATGCTTGGGTGTTTGCAAAGCCAATGCCATCCAGGCTATTGGGGTGATGTCTTTTGCCTTCA
 TTTGCCACCATAACTGCTTCTAGTCTATGTTTCTCTCGAAGAGCCACAGTAGCGAAGTGGCGCCGGAT
 TATCCACACATCCATCTTGGTTTCTGTATTCATCTGTGTCTCTTTGCAACGTGCGGGTACTTCACTTTT
 ACTGGCTTCACTCAAGGAGACTTGTGTTGAAATTAAGTGCAGAAGTGATGACCTGGTGACCTTTGGGAGGT
 TTTGTTATGGTATCACTGTCATTTTGACTTACCGATTGAATGCTTTGTGACCAGAGAGGTAATTGCCAA
 TGTGTTTTTGGTGGGACTCTTTCATCAGTGTCCACACCGTCTTAGCAGTGCTTATCGTTACTGCAGCC
 ACAGTGGTATCATTGATGATTGAGTGCCTTGAATAGTTTGAAGTCAATGGTGTGCTCTGCGCGGCTC
 CTTTGATTTTTATCATCCCTCAGCTTGCTATCTGAAATTATCCGAAGAACCAAGGACACATTCGATAA
 GATAATGGCCTGTGTATGTTTCCCGTCGGGCGGTGGTGATGGTGGTAGGCTTCGTATGGCTATCACA
 AATCCTCAGGACTGCACCCACGGCAGGAAATGTTCTACTGCTTCTGAAAATGTCTCCTTCACAAACA
 CCTCCTGGTCTCATCTTCAACTGACAACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR218225 representing NM_177074
 Red=Cloning site Green=Tags(s)

MSYQQPQLSGPLQRETDSSDRESLISGHEHGGKSSQSAAVFNVVNSVIGSGIIGLPYSMKQAGFPLGILL
 LFLVSYITDFSLVLLIKGGALSGTDSYQSLVNKTFGFPGYLLSTLQFMYPFIAMISYNIITGDTLSKVF
 QRLPGVDPGGWFISRHFIIIVSTVCTCLPLSLYRDIKLGKISFISTILTTVILGIVMTRAIISLGNIPK
 TDNAWVFAKPNAIQAIQVMSFAFICHHCFLVYGSLEPTVAKWRIIHTSILVSVFICVLFATCGYFTF
 TGFTQGDLFENYCRSDDLVTGFRFCYGITVILTYPIECFVTREIVANVFFGGTLSSVFHTVLAVLIVTAA
 TLVSLMIECLGIVLELNGVLCAAPLIFIIPSACYLKLSEEPRTSHSDKIMACVMFPVGAVMVMVGFVMAIT
 NPQDCTHQEMFYCFPENVSFTNTSWSHLQLTT

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9017_e06.zip

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

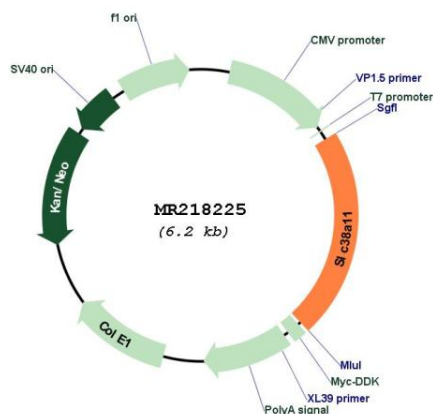
UniProt ID: [Q3USY0](#)

Cytogenetics: 2 C1.3

MW: 50.1 kDa

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

Product images:



Circular map for MR218225