

Product datasheet for **MC216217**

Slc38a6 (NM_001037717) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc38a6 (NM_001037717) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc38a6
Synonyms:	AW322671; EG625098
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216217 representing NM_001037717
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCAGGCGTCCCGGCACAGCATCCAAGCGGAGCCAGGCTGGTACGTCTCTGCCAGCAGCCAGAGGAGG
 CGGTGGCTGCAGACGAGTGGAGTCCGTTGCTAAGCAACGAACCTCACAGGCAGGGATCCTCCGGTGCCTC
 CTTTGGTCTCTCCGTCCTTAACGTGATGAACGCCATCATGGGAAGCGGCATCCTTGGTTTGGCGTATGTG
 ATGGCTAACACGGGTATCCTTGGATTTAGTTTCCTGCTGCTGTTTGTGCTCTCCTGGCTTCTTACTCAG
 TCCATCTCCTGCTTGCCATGTGCATCCACACCGCCGTGACGTCTTACGAAGATCTGGGACTTTCGCTTT
 TGGATTACCTGAAAAGTGGTGGTGGCAGGCACCATAATAATTCAGAATATTGGAGCTATGTCATCTTAT
 CTTTTAATTATTAACAGAGCTTCTGCTGCTATTTTACAGATTTTACCTAGTGACCACAGTGGGTCTT
 GGTATCTTGATGGACAGATGTTGCTGATCATCATCTGTGTAGGCATCGTGTTCCTCTCTACTGCTTCC
 CAAGATAGGCTTCTTGGCTACACAAGCAGTCTATCATTTTTCTTATGGTGTTCTTTGCTCTTGTGGTA
 GTAATTAATAAATGGGCCGTTCCCTGTCCCTGTGACCTTAGATTGCATCAATGAAGCTTTTCAGATTTCAA
 ACGCAACAGATGACTGTAACCAAGCTCTTTCATTTCTCAAAGAGAGCGTTTACGCCATACCAACCAT
 GGCTTTTTCTTCTCTGCCATACCTCAGTATTGCCCATATACTGTGAGCTTCAAAGCCCTTCAAAGAAA
 AGGATGCAGAAATGTGACCAACACAGCGATTGCGTTGAGCTTCTGGTTTACTTTGTGCTGCACTCTTTG
 GCTACCTCACTTTTTATGACAAAGTGGAGTCAAGATTGCTACAAGTTATAGTAAATACTTGCCACATGA
 TGTTATTGTCATGGCTGTGAAGTTGTGCATACTATTCCCGTGTCTGACAGCCCTCTAATCCACTTC
 CCTGCCAGGAAAGCTTAAATGATGATCCTGTTCTCCAATTACCCGTTCTCCTGGATCCGACATCCCTGA
 CCACAGCAGCGCTCAACGCCATCATCGTGGTGCCTCGCCATCTATGTCCCGGACATTAGAAATGTATTGG
 TGTGGTTGGCGCCAGCACATCGACATGCTTGTATTTTGTGTTCCAGGGTTATTTTATCTTAAACTCAGC
 CGAGAGGACTTCTCCTCGAAAAAGCTTGGGCTTTGTTCTGCTCCTCACAGGCGCTGTGGTCGGAA
 GCTTCAGTTAGTCTCATTTTTGACTGGTCAACAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001037717

Insert Size: 1374 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_001037717.3](#), [NP_001032806.2](#)

RefSeq Size: 2959 bp

RefSeq ORF: 1374 bp

Locus ID: 625098

UniProt ID: [G3UVW3](#)

Cytogenetics: 12 C3

Gene Summary: Probable sodium-dependent amino acid/proton antiporter, could be a neuronal transporter for glutamate.[UniProtKB/Swiss-Prot Function]