

## Product datasheet for **RN214277**

### **Slc38a6 (NM\_001013099) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc38a6 (NM_001013099) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc38a6
Synonyms:	Snat6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN214277 representing NM\_001013099  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCAGCGCTCCCGGTACAGTATAGAAGCCGAGCCTGGCTGGTACGTATCTGTCCAGCAGCCGGAGGAGG  
 CGGTGGCTGCAGAAGAGTGGAGTCCGTTGCTAAGCAACGAACCTCGCAGACAGGGATCCTCTGGTGCCTC  
 ATTTGGTCTCTCCGCTCTTAATGTGATGAACGCCATCATGGGAAGTGGCATCCTTGGCTTGGCTTATGTG  
 ATGGCTAACACGGGTATCCTTGGATTTAGTTTCTGCTGCTCTTACGAAAGTCTTGGACTCTTCGCTT  
 TCCATCTCCTGTGGCTATGTGCATCCACACAGCTGTGACGTCTTACGAAGATCTTGGACTCTTCGCTT  
 TGGATTACCTGAAAAGTGGTGGTGGCAGGCACCATAATAATTCAGAATATTGGAGCTATGTCATCTTAC  
 CTTTTAATTATTAACAGAGCTTCTGCTGCTATTTTCTGCTGCTTATGCTAGTACCACAGTGGGGCTT  
 GGTATCTTGATGGACAGATGCTGCTAATCATAATCTGTGTCGGCATTGTGTTCCCTCTCTACTGCTCCC  
 CAAAATAGGCTTTCTTGGCTACACAAGCAGTCTATCATTTTTCTTATGGTGTCTTTGCTCTTGTGGTA  
 GTAATTAATAAATGGGCCGTTCCCTTGTCCCTGACCTAAATTCAGTCAATGCAGTCTTTCAGATTTCAA  
 ACGCTACAGATGACTGTAACCAAGCTCTTTCATTTCTCCAAAGAGAGTGTCTACGCCATACCAACGAT  
 GGCTTTTTCTTCTGCCATACCTCAGTATTGCCCATATACTGTGAGCTTCGAAGCCCTTCAAAGAAA  
 AGGATGCAGAAATGTGACCAACACAGCAATTGCGTTGAGCTTCCCTGGTTTACTTCTGTGCTGCACTTTT  
 GCTACCTCACTTTTTATGACAAAGTGGAGTCAAGTACTGCAAGGTTACAGTAAATACTTGCACATGA  
 TGCTGTGTCATGGCTGTGAAGTATGCATACTGTTGCTGTGCTTCTGACAGTCCCTCTAATCCACTTC  
 CCTGCCAGAAAAGCTTTGATGATGATACTTTTCTCAAATATCCATTTTCTGGATCCGGCATTCTCTGA  
 CCACATTAGCGCTCAACATCATCATCGTTTACTTGAATATATGTTCCGACATTAGAAATGATTTTGG  
 TGTAGTTGGCGCCAGCACATCGACATGCTTGTATTTTGTGTTCCAGGATTGTTTTATCTTAAACTCAGC  
 CGAGAGGATTTTCTCTCATGAAAAAGCTTGGGCTTTGTCCCTGCTCAGCACAGGCACTGTGGTCGGAA  
 GCTTCAGTCTAGTCTCATCTTCTGACTGGTCAACAAATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001013099

**Insert Size:** 1374 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\\_001013099.1](#), [NP\\_001013117.1](#)  
RefSeq Size: 2318 bp  
RefSeq ORF: 1374 bp  
Locus ID: 299139  
UniProt ID: [Q6WWW3](#)  
Cytogenetics: 6q24  
Gene Summary: Probable sodium-dependent amino acid/proton antiporter, could be a neuronal transporter for glutamate.[UniProtKB/Swiss-Prot Function]