

## Product datasheet for **MC217445**

### Slc32a1 (NM\_009508) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc32a1 (NM_009508) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc32a1
Synonyms:	R75019; VGAT; Viaat
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC217445 representing NM\_009508  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCACCCTGCTCCGAGCAAGCTGACCAATGTGGCCACCTCCGTGTCCAACAAGTCCCAGGCCAAGG  
 TGAGCGCATGTTTGCCAGGATGGGTTTCAGGCGGCCACCGATGAGGAAGCGGTGGCTTCGCGCACTG  
 CGACGATCTCGACTTTGAGCATCGCCAGGGCTGCAGATGGACATCCTGAAATCGGAAGCGAGCCCTGC  
 GGAGACGAGGGCGCAGAAGCTCCCGTCGAGGGAGACATTCATTATCAGCGCGGGCGCTCCTCTGCCAC  
 CCTCTGGCTCCAAGGACCAGGCCGTGGGAGCTGGTGGGGAGTTCGGGGGTACGACAAACCAAGATCAC  
 GGCGTGGGAAGCGGGCTGGAACGTGACAAATGCCATTAGGGCATGTTCTGTCTGGGCTACCTACGCC  
 ATCCTCCACGGCGGTACCTGGGTTGTTCTCATCATCTTCGCCGAGTGGTGTCTGTACACCGGCA  
 AGATCCTCATCGCGTGCCTGTACGAGGAGAACGAAGACGGGGAGGTGGTGCCTGCGGGACTCGTATGT  
 GGCCATAGCTAACGCATGCTGCGCTCCTCGATTCCCCACCTGGGCGGCCGCTGGTCAATGTGGCGCAG  
 ATCATCGAGCTGGTGATGACGTGTATCTTGTACGTGCTGGTGAGCGGCAACCTCATGTACAACAGTTCC  
 CGGGGCTGCCCGTGTGCGAGAAGTCTGGTCCATCATAGCCACAGCGGTGCTGCTGCCCTGCGCCTTCT  
 GAAGAATCTCAAGGCCGTGTCCAAGTTCAGTCTGCTGTGTACGCTGGCCACTTCGTCATCAACATCCTG  
 GTCATCGCTTACTGTCTCTCTCGCGCGCGTGATTGGGCCTGGGAGAAGGTGAAGTTCTACATCGACGTCA  
 AGAAGTTTCCCATCTCCATTGGCATCATCGTGTTCAGTACACGTGCGAGATCTTCTGCCCTCTCTCGA  
 AGGCAACATGCAGCAGCCAGCGAATCCACTGCATGATGAACGGACACACATCGCCGCTGCGTGCTC  
 AAGGGTCTCTTCGCGCTCGTGCCTACCTCACCTGGGCCGACGAGACCAAGGAAGTATCACGGATAACC  
 TGCCCGGCTCCATCCGCGCGGTGGTCAACCTCTCTGGTGGCCAAGGCGCTGCTCCTATCCGTTGCC  
 CTCTTCGCGGCCGTGCAAGTGTGGAGAAGTCTCTTCCAGGAAGGCAGTCCGCGCTTCTTCCCGCC  
 TGCTATGGAGGCGACGGTGCCTTAAGTCTGGGGCTGACGCTGCGCTGCGCGTGGTGGTCTTACGCG  
 TGCTCATGGCCATCTACGTGCCACACTTCGCGTGTCTCATGGGCCTCACGGGCGAGCTCACAGGCGCCG  
 CCTCTGCTTCTGCTGCCAGCCTTCCACTTGCCTTCTCTGGCGAAGCTGCTGTGGCACCAGGTC  
 TTCTTCGATGTGGCCATCTTCGTATCGGCGCATCTGCAGCGTGTCCGGCTTCGTGCATTCACTCGAGG  
 GTCTCATCGAGGCTACCGAACCAACGCAGAGGACTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_009508

**Insert Size:** 1578 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\\_009508.2](#), [NP\\_033534.2](#)

**RefSeq Size:** 2805 bp

**RefSeq ORF:** 1578 bp

**Locus ID:** 22348

**UniProt ID:** [O35633](#)

**Cytogenetics:** 2 H1

**Gene Summary:** Involved in the uptake of GABA and glycine into the synaptic vesicles.[UniProtKB/Swiss-Prot Function]