

## Product datasheet for **MC219876**

### **Slc6a11 (NM\_172890) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc6a11 (NM_172890) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc6a11
Synonyms:	D930045G19Rik; E130202I16Rik; Gabt4; Gat3; GAT4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219876 representing NM\_172890  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGACTGCGGAGCAAGCGCTGCCCTGGGCAACGGAAAGCGGCCGAGGAGGCGCGGGGTCCGAGACGC  
TGGGCGGCGGCGCGGGGCGCGGGGACGCGCGAGGCGCGACAAGGCTGTCCACGAGCGCGCCA  
CTGGAACAACAAGGTGGAGTTCTGTGTTAGCGTAGCTGGAGAGATCATCGGACTGGGCAACGTGTGGCGC  
TTTCCCTACCTGTGCTACAAAAACGGCGGAGGGGCATTCTGATTCTTACGTGGTGTTTTTTTCATCTGCT  
GCGGAATCCCCGCTTCTTCTGGAACGGCTCTGGGCGAGTTCACGAGCGAGGGTGGCATCACGTGCTG  
GAGGAGGGTCTGCCCTTTATTTGAAGGCATTGGCTATGCAACACAGGTGATCGAGGCACACCTCAATGTC  
TACTACATCATCATCCTGGCGTGGGCCATTTCTACCTAAGCAATTGCTTACCACCGAGCTCCCCTGGG  
CCACCTGTGGGACGAGTGAACACAGAGAAATGTGTGGAGTTCAGAAGCTGAACTTCAGCAACTACAG  
TCATGTGTCCCTGCAGAATGCCACCTCCCCGGTCATGGAGTTCGGGAACGCCGGTCTTGCTATATCC  
GATGGCATTGAGCACATTGGGAACCTCCGTTGGGAACGGCATTATGTCTCTGGCGGCCTGGACCATCT  
GCTACTTCTGCATATGGAAGGTAAGTCGACTGAAAAGTCTGTATGTCACTGCAACCTTCCCCTA  
CATCATGCTGCTGATCCTCCTGATCCGAGGGGTACGTTGCCAGGCGCCTCTGAAGGCATCAAGTTCTAT  
CTGTACCCTGACCTCTCCCGGCTCTGACCCACAGGTGTGGGTGGACGCTGGGACGAGATCTTTTTCT  
CCTATGCCATCTGCCTGGGCTGCCTAACCGCTCTGGGGAGTTACAACAATAACAACAACCTGCTACAG  
GGACTGCATTATGCTCTGCTGTCTAAACAGTGGCACCAGCTTCGTGGCTGGGTTTGCCATCTTCTCAGTC  
CTGGGCTTCATGGCATAACGAGCAGGGTGTGCCTATTGCCGAGGTGGCAGAGTCAGGTCTGGACTGGCTT  
TCATCGCCTACCCCAAGGCTGTCACTATGATGCCCTCTCTCCACTGTGGGCCACCTTGTCTTTCATGAT  
GCTCATCTTCTGGGCTGGACAGTCAGTTTGTGTGCGTGGAGAGTCTTGTGACAGCCGTGGTAGACATG  
TACCCTAAGGTCTTCCGGCGGGGCTACCGGCGAGAAGTCTCATCTGGCCCTGTCCATCATCTCTATT  
TCTTAGGCCTGGTGTGCTGACCGAGGGAGGCATGTACATCTTCCAGCTTTTTGACTCATAACGCCCGCAG  
TGGCATGTGCTTGTCTTGTGGCCATCTTGTGAGTGTCTGCATCGGCTGGGTATATGGAAGCAACCGG  
TTCTATGACAATATTGAGGATATGATTGGTTACCGGCCACTGCACTCATCAAGTGGTGTGAAAGTCTG  
TGACCCCTGGGATCTGTGCGGGCATCTTTCATCTTCTTCTGGTCAAGTACAAACCGCTCAAGTACAACAA  
TGTGTACACATATCCTGCTTGGGCTACGGCATCGGCTGGCTCATGGCTCTGTCTCCATGCTGTGTATC  
CCACTCTGGATCTTCATTAAGCTGTGGAAGACAGAGGGCACACTGCCCGAGAAATTACAGAAGTTGACAG  
TCCCCAGCGCGATCTGAAAATGCGGGGCAAGCTTGGGGCCAGCCACGGACGGTACCCTTAATGACTG  
TGAGGCCAAGGTCAAGGGCGACGGCACCATCTCTGCCATCACAGAGAAGGAGACACACTTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_172890  
**Insert Size:** 1884 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](mailto: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\\_172890.3](#), [NP\\_766478.1](#)

**RefSeq Size:** 4066 bp

**RefSeq ORF:** 1884 bp

**Locus ID:** 243616

**UniProt ID:** [P31650](#)

**Cytogenetics:** 6 52.98 cM

**Gene Summary:** Terminates the action of GABA by its high affinity sodium-dependent reuptake into presynaptic terminals. Can also transport beta-alanine and taurine.[UniProtKB/Swiss-Prot Function]