

Product datasheet for **RN206090**

Slc6a12 (NM_017335) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc6a12 (NM_017335) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc6a12
Synonyms:	BGT1; Gat1; RNU28927; VGAT
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN206090 representing NM_017335
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCATCGGGAGCTTGGGAAGAAAGGGTCTCCCTCTCCAGTATGGACAGAAAGGTTACAGTCCATGAAG
 ATGGGTGTCTGTGGTCTCTTGGGTCCCTGAGGAGGGAGAGATGATGGACCAGAAAGACAAGGACCAGGT
 GAAGGATCGAGGCCAATGGACCAACAAGATGGAGTTCGTAAGTGTGACAGTGGCGGGAGAGATCATTGCCTTA
 GGCAACGTCTGGAGGTTCCCTATCTCTGCTACAAGAACGGGGAGGAGCCTTCTTCATCCCTACTTCA
 TCTTCTTCTCAGCTGTGGTATCCAGTGTCTTCTGGAGGTGGCACTGGGTCAGTATAGCAGCCAGGG
 GAGTGTACTGCTGGAGGAAGATCTGTCCCTTCTCCAAGGCATTGGCATGGCATCTGTGGTATCGAG
 TCTTATTTGAACATCTACTACATCATCATCCTTGCTGGGCTCTTCTACCTGTTCACTCCTTACCT
 GGGAGCTTCCCTGGACAACCTGCACCACTCCTGGAACACAGAACATTGCGTGGACTTTCTGAACTACTC
 ATCGACCAGAGCCGAAGCTACTCTGAGAACTTCACTCACAGTCATGGAATTCGGGAGAGACGGGTT
 TTGGGTATTACATCAGGCATCCATGACCTGGGGTCCCTGCGCTGGGAGCTGGCCCTGTGCCTCCTGCTCG
 CCTGGATCATCTGCTACTTCTGCATCTGGAAGGGAGTCAAGTCCACGGGCAAGGTTGTTTACTTACAGC
 CACTTTTCCCTACCTGATGCTGATTATTCTTCTGATCCGGGGTGTACCTTCTCTGGAGCCTACCAGGGC
 ATCGTCTTCTACCTGAAGCCAGACTTGCTCCGCCTCAAGGACCCCAAGGTGTGGATGGATGCGGGCACCC
 AGATCTTCTTTTCTTTGCCATCTGCCAGGGGTGCCTCACGGCCCTGGGCAGCTACAACAAGTACCACAA
 CAACTGCTACAGGGACTCCATCGCCCTTGCTTCTTCTGAACAGTGCACAGCTTCGTGGCTGGTTTTGTT
 GTCTTCTCCATCCTGGGCTTCAATGGCTCAGGAGCAGGGCGTGGCCATTTCTGAAGTGGCTGAGTCAGGTC
 CTGGACTGGCTTTCATTGCCTTCCCAAAGCAGTGACGATGATGCCTTTGTCCAGCTGTGGTCTCCTGCT
 CTTCTTCTCATGCTCCTATTTCTAGGGCTGGACAGCCAGTTCGTCTGTATGGAGTGCCTGGTCACTGCT
 TCCATGGATATGTTTCTCAGCAGCTCCGAAAGAGAGGCCGCGCGAGCTGCTGATCCTCGCAGTTGCTA
 TCGTGTGCTACTTGTATGGGGCTCCTTCTGGTCACTGAGGGTGGGATGTACATTTTCCAGCTCTTTGACTA
 CTACGCCCTCCAGCGGAATATGCCTACTTCTCTCTCTTGTGGAGTCACTGCATTGGCTGGGTGATC
 GGGGCGGATCGTTTCTATGACAACGTGGAGGACATGATTGGCTATCGCCATGGCCCTTGGTGAAGATCT
 CTTGGCTCTTCTGACCCCTGGTCTTTGCCTGGCCACCTTCTTCTCTCCTTGAGCAAGTATACACCTCT
 CAAATACAACAATGTCTACATATACCCTTCTTGGGGATACTCCATTGGATGGCTCTTGGCTTTTTCTCC
 ATGGCCTGTGTACCGCTCTTTATTATCATACCCTCCTGAAGACCAGGGCTCCTCAAGAAGCGCCTTC
 AAAGACTCATACGCCAGATCCCAGTCTGCCCCAGCCAGGGAGGGCTTCACTCAGGATGGCTCCTCTGC
 TCAAAACTGTTTCGACCTCTCCAGTCAAGCAAGAACTCATTGCCTGGGAGAAGGAGACGCATTTGT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_017335

Insert Size: 1887 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_017335.1](#), [NP_059031.1](#)

RefSeq Size: 2561 bp

RefSeq ORF: 1887 bp

Locus ID: 50676

UniProt ID: [P48056](#)

Cytogenetics: 4q42

Gene Summary: sodium/chloride-dependent neurotransmitter transport protein; expressed in exocytotic vesicles in GABAergic cells; associated with exocysts [RGD, Feb 2006]