

Product datasheet for **RN213111**

Slc6a1 (NM_024371) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc6a1 (NM_024371) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc6a1
Synonyms:	Gabt1; Gat1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN213111 representing NM_024371
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGACTGACAACAGCAAGGTGGCTGATGGGCAGATCTCTACCGAGGTGAGCGAGGCTCCTGTGGCCA
 GTGACAAGCCAAAACCCCTTGTAGTCAAGGTGCAGAAGAAGGCTGGAGACCTCCCTGACCGGACACATG
 GAAGGGACGCTTCGACTTCTCATGTCCTGTGTGGGCTACGCCATCGGCCTGGGCAATGTATGGAGTTC
 CCTTATCTCTGCGAAAGAACGGTGGTGGGGCCTTCTAATTCCATATTTCTGACGCTCATCTTTGCGG
 GTGTTCTCTCTTCTTTGGAGTGCTCCCTAGGCCAGTACACCTCCATTGGGGGCTGGGCGTATGGAA
 GCTGGCTCCCATGTTCAAGGGTGTGGGCTCGCGGCAGCTGTGCTGTCTTCTGGCTGAACATTTATTAC
 ATTGTCATCATCTCTGGGCCATCTACTACCTGTACAACCTCTTACCACGACTCTGCCGTGAAACAGT
 GTGACAACCCCTGGAACACTGACCGCTGCTTCTCAACTATAGCCTGGTCAACACCACCAACATGACCAG
 TGCCGTGGTGAATTCTGGGAGCGCAACATGCACCAAATGACAGATGGGCTAGACAAGCCAGGACAGATC
 CGCTGGCCGCTAGCCATCACACTGGCCATTGCCTGGGTGCTTGTGTATTTCTGCATCTGGAAGGGTGTG
 GATGGACTGGAAGGTGGTCTACTTCTCAGCCACATACCCCTACATCATGCTCATCATCCTGTTCTCCG
 TGGAGTGACACTTCTGGGGCAAGGAGGGGATCCTCTTCTACATCACGCCAACTTCCGAAAGCTGTCT
 GATTCTGAGGTGTGGCTTGACGCCGCCACCCAGATCTTCTTCTCTACGGACTGGGCTGGGGTCCCTGA
 TTGCTCTGGGAAGCTACAACCTTTCCACAACAATGTGTACAGGGACTCCATCATTGTTTGTGCATCAA
 CTCCTGCACCAGCATGTTTGGCGCTTCGTCATCTTCCATCGTGGGCTTCATGGCTCATGTACCAAG
 AGGTCCATAGCCGATGTGGCGGCTCAGGCCCTGGACTGGCATTCTTGGCATACCCGAGGCTGTGACAC
 AGCTACCCATCTCTCCCTCTGGGCTATCCTCTTCTTCCATGCTGCTGATGCTGGGCATTGACAGCCA
 GTTCTGTACCGTGGAGGGCTTCATCACTGCCCTGGTGGATGAGTACCCAGGCTTCTCCGAATCGCCGT
 GAACTTTCATTGCTGCCGTGTGCATCGTGCCTACCTGATTGGCCTCTCTAACATCACCCAGGGTGGCA
 TTTATGTCTTCAAACCTGTTTCGATTACTCTGCCAGTGGCATGAGCCTGCTGTTCTGTTTCTTTGA
 GTGTGTCTCCATTTCTGGTTTTATGGTGTCAACCGTTCATGACAACATCCAGGAGATGGTTGGCTCC
 AGGCCCTGCATCTGGTGAAGCTGTGCTGGTCTTTTTACACCCATCATTGTGGCGGGCGTGTCTCT
 TCAGTGTGTGCAGATGACACCACTCCATGGGAAGCTACGTTTTCCCAAGTGGGGCCAGGGCGTGGG
 CTGGCTCATGGCTCTGTCTCCATGGTGTCTATCCCCGGGTACATGGCTTACATGTTCTCACCCCTAAAG
 GGCTCTCTGAAGCAGCTCTCCAGGTATGATTACGCCAGTGAAGATATCGTGGCCCTGAGAATGGTC
 CTGAGCAGCCGAGGCTGGCAGCTCAGCCAGCAAGGAGGCTACATC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_024371
- Insert Size:** 1800 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_024371.2](#), [NP_077347.1](#)

RefSeq Size: 4053 bp

RefSeq ORF: 1800 bp

Locus ID: 79212

UniProt ID: [P23978](#)

Cytogenetics: 4q42

Gene Summary: transporter for the neurotransmitter gamma-aminobutyric acid (GABA) [RGD, Feb 2006]