

## Product datasheet for **RN210982**

### **Slc6a9 (NM\_053818) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc6a9 (NM_053818) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc6a9
Synonyms:	GLYT-1; GLYT-1b; Glyt1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >RN210982 representing NM\_053818  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGTAGGAAAAGGTGCCAAAGGGATGCTGAATGGTGCTGTGCCAGCGAGGCCACCAAGAAGACCAGA  
 ACCTCACACGGGGCAACTGGGGCAACCAGATCGAGTTTGTACTGACGAGCGTGGCTATGCCGTGGCCCT  
 GGGCAATGTGTGGCGTTTCCCATACCTCTGCTATCGCAACGGGGAGGCGCCTTCATGTTTCCCTACTTC  
 ATCATGCTGGTCTTCTGCGGCATTCCTCTCTTCTCATGGAGCTCTCCTTCGGCCAGTTTGAAGCCAGG  
 GCTGCCTGGGGTCTGGAGGATCAGCCCCATGTTCAAAGCGTGGGCTATGGTATGATGGTGGTCCAC  
 GTACATCGGTATCTACTACAACGTGGTCATCTGCATCGCCTTCTACTACTTCTTCTCGTCCATGACGCAT  
 GTGCTGCCCTGGGCTTACTGCAATAATCCCTGGAACACACCTGACTGTGCCGGTGTGCTGGATGCTTCCA  
 ATCTACCAATGGCTCCCGGCCACTGCCCTGTCTGGCAACCTGTCTCACCTGTTCAACTACACCTTGCA  
 AAGGACCAGCCCAGTGAGGAGTACTGGAGGCTGTATGTGCTGAAGCTGTGGATGACATTGGAGATTTT  
 GGAGAAGTGCGGCTTCTCTCCTAGGCTGCCTTGGCGTCTCCTGGGTGGTGTCTTCTCTCGCTCATT  
 GAGGAGTCAAGTCTTTCAGGAAAGTGGTGTACTTCACGGCCACATTTCCCTATGTGGTGTGACCATTCT  
 GTTTGTTCTGGAGTGACCCTGGAAGGAGCCTTACGGGTATCATGTACTACCTGACCCAAAGTGGGAC  
 AAGATCCTGGAGGCCAAGGTGTGGGGGATGCAGCCTCTCAGATCTTCTATTCCCTGGGCTGTGCATGGG  
 GTGGCCTCATCACCATGGCATCTACAACAAATCCACAACAACCTGTACCGGGACAGCGTCATCATCAG  
 CATCACAATGTGCTACCAGTGTCTATGCTGGCTTCTCATCTTCTCTATCCTAGGCTTATGGCCAAT  
 CACCTGGGTGTGGATGTGTCTCGGGTGGCAGACCAGGGCCCGGGCTAGCTTTCGTGGCTTACCCCGAGG  
 CTCTCACACTGCTTCCCCTCCCCGCTCTGGTCTTGTCTTTTTTCTTCATGCTCATCTGCTGGGACT  
 CGGTACTCAGTTCTGCCTCCTGGAGACCCTAGTCACTGCCATTGTGGATGAGGTGGGAATGAGTGGATT  
 CTGCAGAAGAAGACCTACGTGACCTGGGTGTGGCTGTGGCTGGCTTCTTCTGGGTATCCCTTACCA  
 GCCAGGCGGGCATCTACTGGCTGCTGTTGATGGACAACCTACGAGCCAGCTTCTCCTTGGTTGTCATCTC  
 CTGCATCATGTGCGTGTCCATCATGTATATCTATGGGCACCGAACTACTTCCAGGACATTCAGATGATG  
 CTGGGGTCCCACCGCTCTCTTCTCCAGATCTGTTGGCGTTTTGTCTCTCCACTATCATTTTTTCA  
 TTCTCATTTACGGTATCCAGTACCGCCAATCACTTACAACCACTACCAGTACCCAGGCTGGGCTGT  
 GGCCATCGGCTTCTCATGGCTTGTCTGTCTGTCTGTCATCCCATTGTACGCATTGTTCCAGCTCTGC  
 CGCACAGATGGGACACACTTCTCAGCGTTTAAAAATGCCACAAAGCCAAGCAGAGACTGGGGCCCTG  
 CCTCCTGGAGCACCGGACTGGGCGCTATGCCCCCACTACAACCCCTCTCCTGAAGATGGGTTGAGGT  
 TCAGCCACTGCACCCGACAAGGCCAGATCCCATCGTGGGCAGTAACGGCTCCAGCCGCTCCAGGAC  
 TCCCGGAT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_053818
- Insert Size:** 1902 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\\_053818.2](#), [NP\\_446270.1](#)

**RefSeq Size:** 3211 bp

**RefSeq ORF:** 1902 bp

**Locus ID:** 116509

**UniProt ID:** [P28572](#)

**Cytogenetics:** 5q36

**Gene Summary:** transporter for glycine which is dependent on external Na<sup>+</sup> and Cl<sup>-</sup> and may be involved in inhibitory glycinergic transmission [RGD, Feb 2006]