

## Product datasheet for **RN213727**

### **Slc2a8 (NM\_053494) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc2a8 (NM_053494) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc2a8
Synonyms:	Glut8
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN213727 representing NM\_053494  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGTCGCCCGAGGACCCAGGAAACACAGCCGCTGTTGCGGTGCGCCGGGCGCCAGGGCTCCCGCGGCC  
GCCGGGTCTTCTTGCCACCTTCGCCGCCGCCCTGGGCCGCTCAGCTTCGGCTTCGCGCTTGGCTACAG  
CTCCCCGCCATCCCCAGCCTGCGGCGCACCGCACCCCTGCCCTACGCCTCGGAGACACTGCGGCCTCC  
TGGTTCGGGGCCGTCGTGACCCTGGGCGCTGCGGCAGGGGGCGTCTGGGCGGCTGGCTCCTGGACCGTG  
CAGGGCGCAAGCTGAGCCTCCTGCTCTGCACCGTGCCTTCGTGACCGGTTTTGTGTATCACCAGCGGC  
CCGGGATGTGTGGATGCTGCTCGGAGGCCCTCCTACCAGCCTAGCCTGCGGAGTGCCTCATTAGTG  
GCACCGGTCTATATCTCGGAAATCGCCTACCCAGCCGTTTCGAGGACTGCTCGGCTCCTGTGTGCAGCTGA  
TGGTTGCACTGGCATCCTCTTGGCCTACGTGGCAGGCTGGGTCTAGAATGGCGCTGGTTGGCTGTGCT  
GGGCTGTGTGCCCCACCTCATGCTGCTGCTCATGTGCTACATGCCCGAGACCCACGCTTCTCCTCTG  
ACGCAACACCACTACCAGGAGGCCATGGCTGCCCTGCCCTTCTGTGGGGCTCTGAGGAGGGCTGGGAAG  
AGCCCCCTGTTGGGGCTGAGCACAGGGCTTCCAGCTGGCTATGCTGAGGCGCCCTGGTGTCCACAGACC  
CCTCATCATCGGCATTTGCCCTATGGTCTTCCAGCAGCTGTGAGGGGTCAACGCCATCATGTTCTATGCC  
AACACCATCTTTGAGGAGGCCAAGTTCAAGGACAGCAGCCTGGCCTCGGTCACTGTGGGCATCATCCAGG  
TTCTGTTCACTGCTGTGGCGCCCTCATCATGGACAGAGCAGGGCGAAAAGTCTTCTGGCCTTGTCCGG  
TGTGATCATGGTTTTAGCATGAGCGCCTTTGGTACCTACTTCAAAGTACCCAGAGTGGCCCCAGCAAC  
TCCTCCCATGTAGGCCTCCTGGTGGCCATCTCCGAGAGCCTGCTGATGTTACCTGGGGCTGGCCTGGC  
TGGCTGTAGGCAGCATGTGCCTTTCATCGCTGGTTTTGACAGTAGGCTGGGGACCCATCCCCTGGCTCCT  
CATGTGAGAGATCTTCCCTCTGCACATCAAGGGTGTGGCTACCGCGTCTGTGTCCTCACCAACTGGTTC  
ATGGCCTTTCTGGTGACCAAAGAGTTTAAACAGCATCATGGAGATCCTCAGACCCTACGGCCCTTCTGGC  
TCACCGCTGCCTTCTGTATCCTCAGCGTCTTTTACGCTCACCTTTGTCCCTGAGACTAAAGGCAGGAC  
TCTGGAACAAATCACAGCCATTTTCAGGGACGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_053494

**Insert Size:** 1437 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\\_053494.2](#), [NP\\_445946.2](#)

RefSeq Size: 2105 bp

RefSeq ORF: 1437 bp

Locus ID: 85256

UniProt ID: [Q9JJZ1](#)

Cytogenetics: 3p11

Gene Summary: may transport glucose out of the rough endoplasmic reticulum into the cytosol in response to glucose administration; may play a role in glucose homeostasis in hippocampal neurons [RGD, Feb 2006]