

## Product datasheet for **RN202594**

### **Slc2a3 (NM\_017102) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc2a3 (NM_017102) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc2a3
Synonyms:	GLUT3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN202594 representing NM\_017102  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGGGACAGCGAAGGTGACCCCATCTCTGGTGTTCGCTGTTACTGTTGCCACAATCGGTTCTTTCCAGT  
 TTGGCTACAACACCGGAGTCATCAATGCGCCTGAGACAATCATTAAAGACTTTCTTAACTACACGTTGGA  
 AGAGCGGTTGGAAGACCTACCAAGCGAGGGGCTGCTGACCACGCTCTGGTCGTTATGTGTGGCCATCTTC  
 TCCGTTGGGGGCATGATTGGCTCTTTTTCTGTCGGACTCTTTGTCAACCGCTTTGGCAGACGCAACTCCA  
 TGCTTCTAGTCAACCTGATTGCCATCCTGGGGGTTGCCATTATGGGCTTCGCCAAGATAGCGGAGTCGGT  
 TGAAATGCTGATCCTGGGCCGCTGATTATTGGCATCTTCTGTGGTCTGTGCACGGGCTTTGTGCCGATG  
 TACATTGGAGAGGTGTCTCCACTGCCCTACGGGGTGCATTTGGCAGCTAAACCAGCTGGGCATCGTTG  
 TTGGGATCCTTGTGGCTCAGGTCTTTGGTTGGACTTTATTCTGGGCTCTGAGGAGCTGTGGCTGGACT  
 ACTGGGCTTAACCATCATTCCAGCTATCCTACAGAGCGCAGCCCTCCGTTTTGCCCGAGAGTCCAAGG  
 TTCTTGCTCATTAAACAGAAAGGAGGAAGACCAAGCGACGGAGATCCTCCAGCGGTTGTGGGGCACCCCGG  
 ATGTGATCCAGGAGATCCAGGAGATGAAAGACGAGAGTATCAGGATGTCACAGGAGAAGCAGGTCAGTGT  
 GCTGGAGCTCTTCAAGTCTCCTAGCTACTTCCAGCCCTTCTCATCTCCGTTGTCTCCAGTTGTCTCAG  
 CAGTTCTCTGGGATCAATGCTGTGTTCTATTACTCGACGGGAATCTTCCAGGATGCGGGTGTCCAGGAGC  
 CCATCTATGCCACGATTGGAGCGGGTGTGGTCAACTATCTTCACTGTAGTCTCTCTGTTCCCTGGTGGA  
 GCGGGCAGGAAGGAGAACCCTGCACATGATAGGCTGGGAGGCATGGCTGTTGCTCCGTTTTATGACG  
 ATTTCTCTGTTACTGAAGGATGAATATGAAGCCATGAGCTTTGTCTGTATTGTGGCTATCTTGGTCTACG  
 TGGCCTTCTTTGAGATTGGCCCTGGCCCATCCCTGGTTTATTGTGGCTGAACTCTTCAGCCAGGGCCC  
 CCGACCAGCTGCCATGGCTGTGGCTGGCTGTTCTAACTGGACCTCCAACCTTTTTGGTGGGAATGTTCTTC  
 CCCTCGGCTGCGCCTACTTGGGAGCCTACGTTTTTATCATCTTCGCTGCCTTCTCGTTTTCTTCTCAA  
 TCTTACCTTCTTCAAAGTCCCAGAGACCAAAGGCAGGACTTTTCGAGGATATTACCCGGGCTTCGAGGG  
 GCAGGGCAGTCTGGAAAGGCTCTGCTGGTGTGGAGTTGAACAGCATGCAGCCTGTCAAGGAGACCCCT  
 GGCAATGCCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_017102  
**Insert Size:** 1482 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](#)

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_017102.2</a></u> , <u><a href="#">NP_058798.2</a></u>
<b>RefSeq Size:</b>	1482 bp
<b>RefSeq ORF:</b>	1482 bp
<b>Locus ID:</b>	25551
<b>UniProt ID:</b>	<u><a href="#">Q07647</a></u>
<b>Cytogenetics:</b>	4q42
<b>Gene Summary:</b>	may act as a glucose transporter in neurons; may mediate increased glucose uptake in response to neuronal injury [RGD, Feb 2006]