OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RN203450

Slc2a1 (NM_138827) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc2a1 (NM_138827) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc2a1
Synonyms:	Glut1; GLUTB; GTG1; Gtg3; RATGTG1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>RN203450 representing NM_138827
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGCCCAGCAGCAAGAAGGTGACGGGCCGCCTTATGTTGGCCGTGGGAGGGGCAGTGCTCGGATCCC
TGCAGTTCGGCTATAACACCGGTGTCATCAACGCCCCCCAGAAGGTAATTGAGGAGTTCTACAATCAAAC
ATGGAACCACCGCTATGGAGAGTCCATCCCATCCACCACACTCACCACACTCTGGTCTCTCTCCGTGGCC
ATCTTCTCTGTCGGGGGCATGATTGGTTCCTTCTCTGTGGGCCTCTTTGTTAATCGCTTTGGCAGGCGGA
ACTCCATGCTGATGATGAACCTGTTGGCCTTTGTGTCTGCCGTGCTTATGGGTTTCTCCAAACTGGGCAA
GTCCTTTGAGATGCTGATCCTGGGCCGCTTCATCATTGGAGTGTACTGTGGCCTGACCACCGGCTTTGTG
CCCATGTATGTGGGGGAGGTGTCACCCACAGCTCTTCGTGGAGCCCTGGGCACCCTGCACCAGCTGGGCA
TCGTCGTTGGGATCCTTATTGCCCAGGTGTTCGGCTTAGACTCCATCATGGGCAATGCAGACTTGTGGCC
TCTACTGCTCAGTGTCATCTTCATCCCAGCCCTGCTACAGTGTATCCTGTTGCCCTTCTGCCCTGAGAGC
CCCCGCTTCCTGCTCATCAATCGTAACGAGGAGAACCGGGCCAAGAGTGTGCTGAAAAAGCTTCGAGGGA
CAGCCGATGTGACCCGAGACCTGCAGGAGATGAAAGAAGAGGGTCGGCAGATGATGCGGGAGAAGAAGGT
CACCATCTTGGAGCTGTTCCGCTCACCCGCCTACCGCCAGCCCATCCTCATCGCCGTGGTGCTGCAGCTG
TCCCAGCAGCTGTCGGGCATCAATGCTGTGTTCTACTACTCAACGAGCATCTTCGAGAAGGCAGGTGTGC
AGCAGCCTGTGTATGCCACCATCGGCTCGGGTATCGTCAACACGGCCTTCACTGTGGTGTCGCTGTTCGT
CGTGGAGCGAGCTGGCCGTCGGACCCTGCATCTCATTGGTCTGGCTGGCATGGCGGGCTGTGCTGTGCTC
ATGACCATCGCCCTGGCCCTGCTGGAGCAGCTGCCCTGGATGTCCTATCTGAGTATCGTGGCCATCTTTG
GCTTTGTGGCCTTCTTTGAAGTAGGCCCTGGTCCTATTCCATGGTTCATTGTGGCCGAGCTGTTCAGCCA
GGGGCCCCGACCTGCTGCTGTTGCTGTGGCTGGCTTCTCTAACTGGACCTCAAACTTCATCGTGGGCATG
TGCTTCCAATATGTGGAGCAACTGTGTGGCCCCTACGTCTTCATCATCTTCACGGTGCTGCTGGTACTCT
TCTTCATCTTCACCTACTTCAAAGTTCCTGAGACCAAAGGCCGGACCTTCGATGAGATCGCTTCCGGCTT
CCGGCAGGGGGGTGCCAGCCAGAGCGACAAGACACCTGAGGAGCTCTTCCACCCTCTGGGGGCTGACTCC
CAAGTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2353_g06.zip

Restriction Sites: SgfI-MluI

ACCN: NM_138827

Insert Size: 1479 bp

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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 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

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_138827.1, NP_620182.1

RefSeq Size: 2571 bp

RefSeq ORF: 1479 bp

Locus ID: 24778

UniProt ID: P11167

Cytogenetics: 5q36

Gene Summary: transporter for glucose and other hexoses; may be involved in response to osmotic and metabolic stress [RGD, Feb 2006]

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