

Product datasheet for **RN200839**

Slc1a5 (NM_175758) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc1a5 (NM_175758) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc1a5
Synonyms:	Asct2; H4-ASCT2; Slc1a7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN200839 representing NM_175758
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCAGTGGATCCTCCTAAGGCTGACCCAAAGGGTGGTGGCGTGGATCCCACCGCAACTGTGGCT
 CGGGGCTGAAGTCCAGAGAGGACCAGGGAGCGAAAGCAGGTGGATGCTGCAGTTCCTGGGACCAAGTGTG
 CCGCTGCCTTCGCGCAACCTGCTGTTCTGCTACCGTGGCGGCGCGGTGGCTGGCGTGGTGTAGGT
 CTGGGGTCTCGGCGCGGGCGGTGCTGAGGCGCTGGGCCACGCGCGCTTACCGCTTTCGCTTCCCGG
 GAGAGCTGCTGTTGCGTCTGCTGGAGATGATCATCTGCCGCTGGTGGTGCAGCCTGATCGGAGGTGC
 AGCCAGTCTGGACCCTAGCGCGCTCGGCCGTTGGGCGCTGGGCCCTGCTCTTTTTCTGGTCAACACA
 CTGCTCTCTTCGGCTCTCGGCGTGGCCTTGGCCCTGGCGCTGAAGCCGGGCGCCGCTTGTGCCATCA
 ACTCCTCTGTTGAGACTCCAGTGTCCACAGACACCCACAAAGAGGTGCTGGATTCTTTCTGGAAT
 CCTGAGGAATATGTTCCCTCCAATCTGGTGTCTGCTTCTGCTGCCTCCGCATTCATGTGGTGCCTGT
 CCACAGAGGAGCAATGCAACCATGGACCAGCCTCACTGTGAGATGAAGATGAACATTCTGGGCTTGGTCG
 TGTTTCGCTATAGTCTTTGGCGTGGCTCTGAGGAAGCTGGGGCCGAGGGTGGAGTCTCATCCGATTCTT
 CAACTCCTTAATGATGCCACCATGGTCTCTGGATTATGTGGTACGCCCCATTGGCATCTTG
 TTCCTGGTGGCCGGAAGATTGTGGAGATGAAAGACATCCGCCAGCTTTCATCGGCCTCGGCAAAATACA
 TCGTGTGCTGCCTGCTGGGCCACGCCATCCACGGGCTCTGGTTCTGCCTCTCATCTACTCCTTTTAC
 CCGCAAAAACCTTATCGATTCTGTGGGCATCGTGACCCCTGGCTACAGCTTTCGGGACCTCTTCT
 AGCTCTGCCACATTGCCCTGATGATGAAGTGTGAGAGGAGAAGAATGGTGTGGCCAAACACATCAGCC
 GGTTCACTCCTGCCATCGGCGCCACCGTCAATATGGACGGGCGAGCGTTGTTCCAGTGCCTGGCGCAGT
 GTTCATTGCACAATAAATGGGATGTCCCTGGACTTCGTGAAGATCATACCATCCTGGTACAGCTACT
 GCATCCAGTGTGCGGGCCGAGGTATCCCTGCAGGGGCGTCTCACTCTTGCCATCATTCTAGAAGCAA
 TCAGCCTCCCTGTCAAGGACATCTCCTTGATCTTGGCCGTGGACTGGCTAGTGGACAGGTCTGTACGGT
 CCTCAACGTGGAGGGTGTGCTTTTGGGCGGATTGCTCCAGAGTTACGTGGATCGCACCAAGATGCCG
 AGCTCAGAGCCTGAACTGATCCAGGTGAAGAACGACGTGTCTCTGAAACCATTGCCCTCGCCACAGAGG
 AGGGGAACCCCTTCTGAAACAGTGCCGGGAACCTCCGGGACTCCAGTGCCACATGCGAAAAGGAATC
 TGTCATG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_175758
Insert Size: 1620 bp

OTI Disclaimer:	<p>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.</p> <p>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</p>
Components:	<p>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).</p>
Reconstitution Method:	<ol style="list-style-type: none">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_175758.3 , NP_786934.1
RefSeq Size:	2570 bp
RefSeq ORF:	1620 bp
Locus ID:	292657
Cytogenetics:	1q21
Gene Summary:	glutamine transporter; involved in glutamine efflux from astrocytes [RGD, Feb 2006]