

Product datasheet for **RN210365**

Slc38a7 (NM_001003705) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc38a7 (NM_001003705) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc38a7
Synonyms:	MGC105833
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN210365 representing NM_001003705
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCCAGGTCAGCATCAACAGTACTACAGCGAGTGGGGCTCCAGCACTGATGCTGGGGAGCGGGCCC
 GTTTGCTACAAAGTCCCTGTGTGGATGTGGTGCCCAAGAGAGAGGGGAAGCGTCCCTGGAGATCCAGA
 CAGCGGCACCACTTCGACGCTTGAGCAGTCTTCATCGTTGTCAATGCCTGCCTCGGCGCGGGTCTGCTC
 AACTTCCCAGCAGCCTTCAGCACTGCTGGGGCGTGGCAGCCGGCATCGCCCTGCAGATGGGCATGCTGG
 TTTTCATCATTAGTGGGCTGGTCACTTCTGGCCTACTGCTCCCAAGCCAGCAATGAGAGGACCTACCAGGA
 GGTGGTATGGGCTGTGTGGCAAGCTGACCGGTGTGCTGTGTGAGATAGCCATTGCAGTCTACACCTTC
 GGGACCTGCATCGCCTTCTCATCATTATTGGGGACCAGCAGGACAAGATTATAGCTGTCATGGCGAAGG
 AGCCTGATGGGGCCAGCGCAGCCCTGGTACACAGACCAGCAAGTTCACCATCAGCCTCACTGCCTTCT
 CTTTCATCTGCCCTGTCCATCCCAAGGAGATCGGCTTCCAGAAATATGCCAGTCCCTGAGTGTGCTG
 GGCACCTGGTATGTCACCGCCATTGTAATTATCAAATACATCTGGCCAGATAAGGAGATGCGCCCGGGG
 ACATCTTGACCAGACCAGCTTCTGGATGGCTGTGTTCAACGCCATGCCACCATCTGCTTTGGATTCA
 GTGCCACGTGAGCAGCGTACCGGTCTTCAACAGCATGCGGCAGCCCAAGTAAAGACCTGGGGCGGAGTG
 GTGACGGCTGCCATGGTCATAGCTCTGGCTGTCTACATGGGCACAGGCATCTGCGGCTTCTGACTTTTG
 GAGCTGCCGTGGATCCTGACGTGCTCCGGTCTACCCCTCAGAGGACGTGGCTGTGGCTGTTGCCGAGC
 CTTTCATCATCTGAGCGTCTCACCTCCTATCCCATCTACACTTCTGTGGGCGGGCTGTGGTGGAAAGGC
 CTGTGGCTGCGATACAAGGGGACGCCGTGGAGGAGACGTGGGCCGAGAGCGCCGGCGCCGGTCTCTGC
 AGACCTGGTGTGGTTCCTACTACCCTGCTACTAGCACTTTTATCCCTGACATTGGCAAGGTCATCTC
 GGTTCATCGGAGGCTGGCAGCCTGCTTTCATCTTCAATTTCCAGGGCTGTGCCTCATCCAAGCCAAACTC
 TCAGAAATGGAAGAGGTCAAACCGGCCAGCTGGTGGGCACTGGTCAAGTTATGGAGTCTTCTGGTACCC
 TGGGAGCCTTCATCTTTGGCCAGACCACAGCCAATGCCGTCTTTGTGGACCTCTTAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001003705
- Insert Size:** 1392 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_001003705.2](#), [NP_001003705.1](#)
RefSeq Size: 1840 bp
RefSeq ORF: 1392 bp
Locus ID: 291840
UniProt ID: [Q6JWR2](#)
Cytogenetics: 19p13
Gene Summary: Mediates sodium-dependent transport of amino acids, preferentially L-glutamine.
[UniProtKB/Swiss-Prot Function]