

Product datasheet for **RN208165**

Slc38a3 (NM_145776) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc38a3 (NM_145776) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc38a3
Synonyms:	Nat1; Sn1; Snat3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN208165 representing NM_145776
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGAGATACCCCGACAGACAGAGATGGTGGAGCTGGTGCCCAATGGCAAACACCTGGAGGGCTTCTAC
 CAGTGGGCATGCCACGGCAGACACCCAGAGGGCTGAAGACGCCAACACTGTGGAGAGGCAAGGGCTT
 CCTTCAGCAAAGCTCCAGCAAGGAGCCACACTTACCGATTTTCGAGGGGAAGACATCGTTTTGGGATGTCG
 GTGTTCAATCTCAGAACGCCATCATGGGCAGTGGCATCTGGGGCTCGCCTATGCCATGGCCAATACGG
 GCATCATCCTCTTCTGTTCCTGTTACGGCGTTGCCCTGTTGTCTAGCTACTCCATTACCTGCTCCT
 CAAGTCTTCTGGGATTGTGGGCATCCGTGCCTATGAGCAGTTGGGCTACCGTGCCTTTGGGACCCAGGA
 AAGCTGGCAGCAGCCTTGGCCATCAGCTTCAGAACATTGGAGCCATGTCCAGCTATCTGTACATCATCA
 AGTCTGAAGTGCCTTTGTACACAGACCTTCTGAATCTGGAGAAGCCAACCCCGGTGGTACATGGA
 TGGCAACTACCTTGATCCTGGTATCCGTCATCATCATTCTGCCCTGGCACTAATGCGACAGCTTGGC
 TACCTGGGCTACTCCAGTGGCTTCTCTCTCAGCTGCATGGTGTCTTCTTGATCGCAGTCATCTACAAGA
 AGTTCCAAGTGCCTTGGCCACTGGCACACAACCTGGTCAATGCCACAGGTAACCTCAGCCACATGGTGGT
 GGTGGAGGAGAAGTCGCAGCTGCAGAGCGAACCTGACACTGCTGAAGCCTTCTGCACCCCAAGCTACTTC
 ACACTCAACTCACAGACGGCATAACCATCCCCATCATGGCCTTCGCCTTTGTCTGCCACCTGAGGTGC
 TGCCCATATACGGAGCTCAAGGACCCCTCCAAGAGGAAGATGCAGCACATCTCCAACCTGTCCATTGC
 TGTCATGTATGCATGTACTTCTGGCTGCCCTTTCGGCTACCTCACCTTCTATGACGGGTGGAGTCA
 GAGCTGCTGCACACCTACAGCAAGGTGGACCCATTTGATGTGCTGATCTGTGTGTGCCGCTGGCCGTGC
 TGATAGCGGTACACTTACGGTTCGATCGTTCTGTTCCCGGTACGACGGGCCATCCAGCAGATGCTGTT
 TCAGAACCAGGAGTTCAGCTGGTTGCGGCACGTGCTTATTGCCACCGCCCTCTTACTTGATCAACTTG
 CTGGTTATCTTCGCCCAACATCTTGGGCATATTTGGGATCATTGGTGTACATCTGCTCCGTGCCTCA
 TCTTCACTTCCCTGCCATCTTCTACTTCCGAATCATGCCACTGAGAAGGAGCCTGTGAGATCCACCCC
 CAAAATCTGGCCCTTTGCTTGGCTTGGCTTCTTGTGATGACCATGAGTTTGGTTTTCATCATC
 ACTGACTGGGTCTCTGGGACCAGCCAACATGGAGGAAACCATT**AG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_145776
- Insert Size:** 1515 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_145776.1](#), [NP_665719.1](#)

RefSeq Size: 2354 bp

RefSeq ORF: 1515 bp

Locus ID: 252919

UniProt ID: [Q9JHZ9](#)

Cytogenetics: 8q32

Gene Summary: mediates glutamine efflux and uptake [RGD, Feb 2006]