

Product datasheet for **RN211055**

Slc7a9 (NM_053929) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc7a9 (NM_053929) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc7a9
Synonyms:	MGC114282
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >RN211055 representing NM_053929
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**C

ATGGAGGAGACAAGCCCGAGGAGACGGAGAGAGGATGAGAAGTCCGTCCACAGTACAGAGCCCAAGACCA
 CAAGTCTCCAGAAAGAGGTGGGTCTTCTCAGTGGTATCTGTATCATTGTGGGCACCATCATCGGCTCCGG
 GATCTTTCATCTCCCCAAGTCTGTGCTGGCCAACACAGAATCCGTGGGGCCCTGTCTCATCATATGGGCA
 GCCTGTGGAGTCTGGCTACACTGGGCGCCCTGTGCTTTCAGAGCTTGGCACAATGATACCAAGTCAG
 GGGGTGAGTACCCCTATCTGATGGAGGCCCTCGGCCCCATCCCTGCCTACCTCTTCTCCTGGACAGCCT
 GATTGTCATGAAGCCCTCATCTTCGCCATCATCTGCCTCAGCTTTTCAGAGTATGTGTGTGCGGCCTTT
 TACTTAGGCTGCAGGCCTCCTGTGTGGTAGTGAAGTCTGGCTGCTGCTGCCATCTTGCTTATCACTA
 CAGTGAATGCGCTGAGCGTGGGCTTGGCAGCTATGTGCAGAATGTCTTACGGCAGCCAAGCTGGTGAT
 CGTCGCCATCATCATCAGCGGACTGGTCTCCTGGCGCAAGGAAATGTTAAGAACTTTCAGAATTCT
 TTTGAGGGTTACAGACCTCTGTGGGCTCCATCAGCCTGGCATTTTACAACGGACTCTGGGCCTACGATG
 GGTGGAACCAACTTAACTACATCACTGAAGAGCTTAGAAACCCCTACAGAAACCTGCCCATGGCCATTGT
 CATTGGGATCCCTCTGGTGACAGTATGCTACATCCTCATGAATATTGCTTACTTCACAGTGATGACCCCA
 ACGGAGCTCTTGAGTCCAGGCTGTGGCTGTGACCTTCGGAGACCGTGTCTCTATCCGGCATCTTGGG
 TAGTCCCACTTTTGTGGCATTTTCAACCATTTGGTGTGCGAATGGGACCTGCTTACGGCGGGCAGGCT
 CATCTATGTGGCGGGCCGGGAAGGCCACATGCTTAAAGTGCTATCCTACATCAGTGTCAAGCGCCTCACT
 CCGGCCCTGCCCTCGTATTCTATGGCATAATAGCCATCATTTACATCATCCCCGGGGACATCAACTCCT
 TAGTCAATTATTTAGTCTTGTGCTGCTGCTCTTTATGGCATGACAATCCTAGGACTCGTTGTGATGAG
 ATTCACAAGGAAAGACCTAGAGAGGCCCATCAAGGTGCCATCTTCATCCCTATCATTGTGATTCTCGTA
 TCTGTTTTCTTGATCCTGGCCCCATCATCAGTTCGCCAGCCTGGGAATATCTCTACTGCGTGTTGTTCA
 TACTGAGTGGACTTATATTTTACTTCTTTTGTCCACTACAAGTTCAGATGGGCCAGAAAATCTCCAG
 GCCGATACCAAGCACCTGCAGATGCTGATGGAAGTTGTCCACCAGAGAAGGACCCAGAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_053929
- Insert Size:** 1464 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_053929.1, NP_446381.1

RefSeq Size: 1746 bp

RefSeq ORF: 1464 bp

Locus ID: 116726

UniProt ID: P82252

Cytogenetics: 1q21

Gene Summary: amino acid transporter protein; exhibits high-affinity sodium-independent transport of cystine; may mediate reabsorption of cystine in the kidney proximal tubule [RGD, Feb 2006]