

## Product datasheet for **MC227958**

### Slc7a9 (NM\_001199015) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slc7a9 (NM_001199015) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc7a9
Synonyms:	CSNU3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >MC227958 representing NM\_001199015  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGAGACAAGCCTGAGGAGACGGAGAGAGGATGAGAAATCCACCCACAGTACTGAACTCAAGACCA  
 CAAGTCTCCAGAAAGAGGTGGGTCTTCTCAGTGGCATCTGTATCATTGTGGGCACCATCATCGGCTCCGG  
 GATCTTTCATCTCCCCAAGTCTGTGCTGGCCAACACAGAATCCGTGGGGCCCTGTCTCATATATGGCC  
 GCCTGTGGAATCCTGGCTACACTGGGCGCCCTGTGCTTTCAGAGCTTGGCACAATGATTACCAAGTCAG  
 GGGGTGAGTACCCTATCTGATGGAGGCCCTTGGCCCCATCCCTGCCTACCTCTTCTCCTGGACCAGCCT  
 GATCGTCATGAAGCCCTCATCCTTCGCCATCATCTGCCTCAGCTTTTCAGAGTATGTGTGTGCAGCCTTT  
 TACTCAGGTTGCAAGCCTCCTGTGTGGTAGTAAACTCCTGGCTGCTGCCATCTTGTATATCAGCA  
 CAGTGAATGCGCTAAGCGTGGGCTTGGCAGCTATGTCCAGAATGTCTTACGGCAGCCAAGATGGTGAT  
 CGTGGCCATCATCATCAGCGGACTGGTCTTCTGGCCCAAGGAAATGTAAGAAGCTTTCAGAATTCT  
 TTTGAGGGTACACAGACCTCTGTGGGTGCCATCAGTCTGGCATTTTACAATGGACTCTGGCCCTACGATG  
 GTTGAACCAACTCAACTATATCACTGAAGAGCTTAGAAACCCTTACAGAAACCTGCCATGGCCATTGT  
 CATTGGGATTCCTCTGGTGACCGTATGCTACATCCTCATGAATATTGGCTACTTCACAGTGTGACCCCA  
 ACGGAGCTCTTGAGTCCAGGCTGTGGCTGTGACCTTCGGAGACCGGTTCTCTATCCAGCATCTTGGG  
 TAGTCCCACTTTTTGTGGCATTTCACCATCGGTGCTGCTAATGGTACCTGCTTACAGCCGGCAGGCT  
 CATCTATGTGGCAGGCCGGGAAGGCCACATGCTTAAAGTGCTCTCCTACATCAGTGTCAAGCGCCTCAG  
 CCAGCCCTGCCCTCATATTTTATGGTATAATAGCCATCATTTACATCATCCCTGGGGACATCAACTCCT  
 TAGTCAATTATTCAGTTTTGCTGCATGGCTGTTTTATGGTATGACAATCCTAGGACTCGTTGTGATGCG  
 ATTCACAAGGAAAGATCTAGAGAGGCCCATCAAGGTGCCCTCTTCATCCCTATCATTGTGATTCTCGTA  
 TCTCTTTTCTGTATCCTGGCTCCAATCATCAGTGGCCGCTGGGAGTATCTCTACTGTGTGTTGTTCA  
 TACTGAGTGGACTTATATTTTACTTCTTTTTGTCTACTACAAGTTCCGATGGGCCAGAGAATCTCCAG  
 GCCGGTCAAAAGCACCTGCAGATGCTCATGGAAGTCGTCCACCAGAAAAGGACCCAGAG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_001199015
- 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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\\_001199015.1](#), [NP\\_001185944.1](#)

**RefSeq Size:** 1814 bp

**RefSeq ORF:** 1464 bp

**Locus ID:** 30962

**UniProt ID:** [Q9QXA6](#)

**Cytogenetics:** 7 B2

**Gene Summary:** Involved in the high-affinity, sodium-independent transport of cystine and neutral and dibasic amino acids (system B(0,+)-like activity). Thought to be responsible for the high-affinity reabsorption of cystine in the kidney proximal tubule.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1-3 encode the same protein.