

Product datasheet for **MC227959**

Slc7a9 (NM_001199016) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc7a9 (NM_001199016) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc7a9
Synonyms:	CSNU3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC227959 representing NM_001199016
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGAGACAAGCCTGAGGAGACGGAGAGAGGATGAGAAAATCCACCCACAGTACTGAACTCAAGACCA
 CAAGTCTCCAGAAAGAGGTGGGTCTTCTCAGTGGCATCTGTATCATTGTGGGCACCATCATCGGCTCCGG
 GATCTTTCATCTCCCCAAGTCTGTGCTGGCCAACACAGAATCCGTGGGGCCCTGTCTCATCATATGGGCC
 GCCTGTGGAATCCTGGCTACACTGGGCGCCCTGTGCTTTCAGAGCTTGGCACAATGATTACCAAGTCAG
 GGGGTGAGTACCCTATCTGATGGAGGCCCTTGGCCCCATCCCTGCCTACCTCTTCTCCTGGACCAGCCT
 GATCGTCATGAAGCCCTCATCCTTCGCCATCATCTGCCTCAGCTTTTCAGAGTATGTGTGTGCAGCCTTT
 TACTCAGTTGCAAGCCTCCTGTGTGGTAGTAAACTCCTGGCTGCTGCCATCTTGTTTATCACGA
 CAGTGAATGCGCTAAGCGTGGGCTTGGCAGCTATGTCCAGAATGTCTTACGGCAGCCAAGATGGTGAT
 CGTGGCCATCATCATCAGCGGACTGGTCTTCTGGCCAAGGAAATGTAAGAAGCTTTCAGAATTCT
 TTTGAGGGTACACAGACCTCTGTGGGTGCCATCAGTCTGGCATTTTACAATGGACTCTGGGCTACGATG
 GTTGAACCAACTCAACTATATCACTGAAGAGCTTAGAAAACCTTACAGAAACCTGCCATGGCCATTGT
 CATTGGGATTCCTCTGGTGACCGTATGCTACATCCTCATGAATATTGCCTACTTCACAGTGTGACCCCA
 ACGGAGCTCTTGAGTCCAGGCTGTGGCTGTGACCTTCGGAGACCGGTTCTCTATCCAGCATCTGGG
 TAGTCCCCTTTTTGTGGCATTTCACCATCGGTGCTGCTAATGGTACCTGCTTACAGCCGGCAGGCT
 CATCTATGTGGCAGGCCGGGAAGGCCACATGCTTAAAGTGCTCTCCTACATCAGTGTCAAGCGCCTCAG
 CCAGCCCCTGCCCTCATATTTTATGGTATAATAGCCATCATTTACATCATCCCTGGGGACATCAACTCCT
 TAGTCAATTATTTTCAGTTTTGCTGCATGGCTGTTTTATGGTATGACAATCCTAGGACTCGTTGTGATGCG
 ATTCACAAGGAAAGATCTAGAGAGGCCCATCAAGGTGCCCTCTTCATCCCTATCATTGTGATTCTCGTA
 TCTCTTTTCTGTATCCTGGCTCCAATCATCAGTGGCCGCTGGGAGTATCTCTACTGTGTGTTGTTCA
 TACTGAGTGGACTTATATTTTACTTCTTTTTGTCTACTACAAGTTCCGATGGGCCAGAGAATCTCCAG
 GCCGGTCAAAAGCACCTGCAGATGCTCATGGAAGTCGTCCACCAGAAAAGGACCCAGAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001199016
- 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_001199016.1](#), [NP_001185945.1](#)

RefSeq Size: 1702 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 (3) differs in the 5' UTR, compared to variant 1. Variants 1-3 encode the same protein.