

Product datasheet for **MC216987**

Slc7a11 (NM_011990) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc7a11 (NM_011990) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc7a11
Synonyms:	9930009M05Rik; AI451155; sut; xCT
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216987 representing NM_011990
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGTCAGAAAGCCAGTTGTGGCCACCATCTCCAAAGGAGGTTACCTGCAGGGCAATATGAGCGGGAGGC
 TGCCTCCATGGGGACCAAGAGCCACCTGGGCAGGAGAAGGTAGTTCTGAAAAAGAAGTCACTTTGCT
 GAGGGGGTCTCCATCATCATCGGCACCGTCATCGGATCAGGCATCTTCATCTCCCCAAGGGCATACTC
 CAGAACACGGGCAGCGTGGGCATGTCCCTGGTTTTCTGGTCTGCCTGTGGAGTACTGTCACCTTTTGGAG
 CCCTGTCTATGCAGAATTAGGTACAAGCATAAAGAAATCTGGTGGTCATTACACATACATTCTGGAGGT
 CTTTGGTCTTTGCTGGCTTTTGTTCGAGTCTGGGTGGAAGTCTCGTAATACGCCCTGGAGTACTGCT
 GTGATATCCCTGGCATTGGACGCTACATCCTGGAACATTTTTATCCAATGTGAAATTCCTGAACCTG
 CAATCAAGCTCGTGACAGCTGTGGGCATCACTGTGGTATGGTCTAAATAGCACGAGTGCAGCTGGAG
 TGCCCGGATCCAGATTTTCTAACCTTTTGAAGCTCACAGCAATCTGATAATTATAGTCCCTGGAGTT
 ATACAGCTAATTAAGGGCAAACACATCACTTTAAAGATGCATTTTCAGGAAGAGATACAAGTCTAATGG
 GTTGCCCTTGGCTTTTTATTATGGGATGTATGCATATGCTGGCTGGTTTTACCTCAACTTTATTACTGA
 AGAAGTAGACAACCCTGAAAAACCATCCCCCTTGAATCTGCATCTCCATGGCTATCATCACAGTGGGC
 TATGACTGACAAACGTGGCCTATTTACCACCATCAGTGCAGGAGGAGCTGCTGCAGTCTAGCGCCGTGG
 CGGTGACCTTCTCTGAGCGGCTGCTGGGAAAATTTCTATTAGCAGTCCCGATCTTTGTTGCCCTCTCCTG
 CTTCCGGTCCATGAACGGTGGTGTGTTCCGCTGTCTCCAGTTATTCTACGTGCATCTCGAGAAGGGCAC
 CTTCCGGAAATCCTCTCTATGATTCATGTCCACAAGCACACTCCTCTGCCAGTGTATTGTTTTGCATC
 CTCTGACGATGGTATGCTCTTCTCCGGAGACCTCTATAGTCTTCTAAATTTCTCAGTTTTGCCAGGTG
 GCTTTTTATGGGCTGGCAGTCGACAGGACTGATTTATCTTCGATACAAACGCCAGATATGCATCGTCTCT
 TTCAAGGTGCCTCTTTCATCCCGGCACTATTTCTTCCACTGCCTCTTCATGTTGCTCTCTCTCTTT
 ACTCGGACCCATTAGCACCAGGGTTCGGCTTTCTATCACCTTGACTGGGGTCCCTGCATATTATCTCTT
 CATTGTATGGGACAAGAAACCAAGTGGTTCAGACGATTATCAGACAGAATAACCAGAACATTACAGATT
 ATACTAGAAGTTGTACCAGAAGACTCTAAGAATTATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_011990

Insert Size: 1509 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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:	<ol style="list-style-type: none">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:	<u>BC141402</u> , <u>AAI41403</u>
RefSeq Size:	4692 bp
RefSeq ORF:	1509 bp
Locus ID:	26570
UniProt ID:	<u>Q9WTR6</u>
Cytogenetics:	3 21.72 cM
Gene Summary:	Sodium-independent, high-affinity exchange of anionic amino acids with high specificity for anionic form of cystine and glutamate.[UniProtKB/Swiss-Prot Function]