

## Product datasheet for **MC217995**

### **Slc7a4 (BC016100) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc7a4 (BC016100) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc7a4
Synonyms:	MGC27672
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >BC016100  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCCGGGGACTGCCAGTACTGCCTGTTTGGCAGCCTTCTGCCAGAACTGAACCGTCTGAAGCCAC  
 TGGAAAGAGTCTAGCATGGAGACATCACTGCGGCGCTGCCTGTCCACACTGGACTTACTGCTACTGGGTGT  
 GGGTGGCATGGTGGGATCTGGGCTCTATGTGCTCACAGGCACAGTGGCCAAGGACATGGCTGGCCCCGCT  
 GTGCTCTTGCTCTTTTGGTGGCCGCTGTAGCCTCCCTGCTGGCGGCCCTATGCTATGCAGAGTTTGGAG  
 CCCGTGTGCCCGTACTGGCTCAGCATACTTACAGTACGTGTCCATGGGGGAGATATGGGCATTCTCT  
 CATAGGCTGGAATGTGCTTCTAGAATACCTCATTGGAGGTGCCGCTGTAGCCCGTGCCTGGAGTGGCTAT  
 TTGGATGCCATCTTTAACACAGCATTGCAACTTACGGAGTCTCACCTGGCGCTGGCAGGTGCCCT  
 TCCTAGCTCACTATCCAGATTTTCTGGCCGCTGGCATTACTCGTGGCTTCTGCCTTTGTCTCCTGCGG  
 AGCCCCGAGTCTCCTCCTGGCTTAATCACACGTTCTCAGCCATCAGTCTGATTGTGATCCTCTTCATCATT  
 GTCTGGGTTTCACTCCTGGCCCGTCTCACAACCTGGAGTGCAGAAGAAGGTGGTTTCGCACCCTTCGGCT  
 TCTCTGGCATCCTGGCTGGCACAGCCACCTGTTTCTATGCCTTCGTGGGATTTGATGTTATTGCTGCCTC  
 CAGTGAGGAGGCCAAAAACCCACGGTGGGCGGTGCCATCGCCATCTCCCTCAGCCTGGCAGCT  
 GGTGCCTATATTCTGGTCTCCACTGTGTTAACCCCTCATGGTACCTTGGCAGCCTAGACCCTGACTCGG  
 CGTTGCTGATGCTTTCTACAGGCGGGTTACAGCTGGGCTGGCTTCATTGTGGCAGTTGGCTCTATCTG  
 TGCCATGAACACCGTCTGCTCAGCAACCTTTCTCCCTGCCGCGATTGTCTACGCCATGGCTGCCGAT  
 GGGCTCTTCTCCAGGTGTTGCCCGTGTACACCCCGGACACAGCCTCCTGGTCTGGGGGCTCATCAG  
 CAGCAAAAGAAGCAAGACACTTCCAGATCCCTTTGGTGCCCTGACTCCAGCCCTGAGCATCCTTCTCA  
 ACACCTTGCTCATGCTGAAGCTGAGCTACCTGACCTGGCTACGCTTTATCTTCTGGCTGCTGGTCGGACT  
 TGTCGTGATTTTGGCTATGGCATCTGGCACAGCAAGGAGAACCAGAGGGAGCCATTGGAGCTGACTACA  
 GCACACTACGTGTTATCCCCAGCGGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** BC016100

**Insert Size:** 1359 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: BC016100, AAH16100  
RefSeq Size: 1921 bp  
RefSeq ORF: 1358 bp  
Locus ID: 224022  
Cytogenetics: 16 A3  
Gene Summary: Involved in the transport of the cationic amino acids (arginine, lysine and ornithine).  
[UniProtKB/Swiss-Prot Function]