

## Product datasheet for **MC220027**

### **Slc6a8 (NM\_133987) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc6a8 (NM_133987) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc6a8
Synonyms:	AA589632; Creat; CRT; CRTR; CT1; CTR5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC220027 representing NM\_133987  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGAAAAAGAGCGCTGAAAACGGTATCTATAGCGTGTCTGGTGACGAGAAGAAGGGTCTCTCATCG  
 TGTCGGGCCCGACGGTGCCCCAGCCAAGGGCGATGGCCCTGCGGGCCTGGGGCCGCTGGCGGCCGCT  
 TGCAGTGCCACCGCAGAGACTTGGACACGCCAGATGGACTTCATCATGTCGTGCGTGGGCTTCGCCGTG  
 GGCTCGGTAACGTGTGGCGCTTCCCCTACCTGTGCTACAAGAACGGCGGAGGTGTTCCTTATCCCT  
 ATGTCCTGATTGCCCTGGTTGGAGGAATCCCCATTTTCTCTGGAAATCTCATTGGGCCAGTTCATGAA  
 GGCCGGCAGCATCAATGTCTGGAACATCTGTCCCCTATTCAAAGGTCTGGGCTATGCCTCCATGGTATT  
 GTCTTCTACTGCAACACTTACTACATCATGGTGTGGCTGGGGCTTCTATTACCTGGTCAAGTCCTTTA  
 CTACCACCTTGGCATGGGCTACATGTGGCCACACCTGGAACACTCCTGACTGTGTGGAGATCTTCGCCA  
 TGAAGACTGTGCAATGCCAGCCTGGCCAACTCACATGTGACCAGCTTGTGACCGCCGGTCCCCTGTC  
 ATCGAGTTCTGGGAGAACAAGTATTGAGGCTCTCCACGGGGCTGGAGGTTCCAGGAGCCCTCAACTGGG  
 AGGTGACCTTGTGCCTGTGGCTGTGGTGTGGTCTACTTCTGTGTGTGGAAGGGGGTCAAGTCAAC  
 AGGAAAGATCGTGTACTTCACTGCTACATTCGCCCTACGTGGTCCCTCGTTGTGCTGCTGGTGGAGGGGTG  
 CTGCTGCCTGGAGCCCTGGATGGTATCATCTACTATCTCAAGCCTGACTGGTCAAAGCTAGGGTCCCCTC  
 AGGTATGGATAGATGCTGGGACCCAGATTTTCTTCTTATGCCATAGGCCTGGGGGCCCTCACAGCCCT  
 AGGCAGCTACAATCGCTTCAACAACAACCTGCTACAAGGATGCCATCATCTGGCACTCATCAACAGCGGG  
 ACCAGCTTCTTTGCTGGCTTTGTGGTCTTCTCCATCCTGGGCTTCATGGCCACAGAGCAGGGTGTGCATA  
 TCTCCAAGGTGGCAGAATCAGGGCCTGGTCTAGCCTTCAATGGCTACCCACGGGCTGTCACTGATGCC  
 TGTGGCCCCACTCTGGGCTGCCTTGTCTTCTTTCATGCTGCTGCTGCTCGGTCTGGACAGCCAGTTTGT  
 GGTGTGGAGGGCTTCAATACCGGCTCCTGGATCTCCTCCCGCCCTCCTACTACTTCCGTTTCAAAGGG  
 AGATCTCCGTTGCTCTGCTGCGCCCTGCTTTGTCATCGATCTCCATGGTACTGATGTGAGTGG  
 GGGTAAGGGTGAATGTACGTCTCCAGCTATTTGACTACTACTCAGCTAGTGGCACTACCCTGCTTTGG  
 CAAGCCTTTTGGGAGTGTGTAGTTGTGGCTTGGGTTTATGGAGCTGACCGCTTATGGATGACATTGGCT  
 GTATGATTGGGTACCGACCTTCCCCTGGATGAAATGGTGTGGTCTTCTTACCCCATTTGGTCTGCAT  
 GGGCATCTTCACTTCAACATTGTGTACTACGAGCCACTGGTCTACAACAACACTACGTGTACCCATGG  
 TGGGTGAAGCTATGGGCTGGGCTTTGCACTCTTCTATGCTATGTGTACCCCTCCACCTCCTGGGCT  
 GTCTCCTCAGGGCAAAAGGAACCATGGCAGAGCGATGGCAGCACCTGACCCAGCCTATCTGGGGCCTCCA  
 TCACTTGAATACAGAGCTCAGGATGCAGATGTAGGGGCTGACCACCTGACTCCCCTGTCCGAGAGC  
 AGCAAGGTCGTCGTGGTGGAGAGTGCATG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_133987

**Insert Size:** 1923 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\\_133987.2](#), [NP\\_598748.1](#)

**RefSeq Size:** 3992 bp

**RefSeq ORF:** 1923 bp

**Locus ID:** 102857

**UniProt ID:** [Q8VBW1](#)

**Cytogenetics:** X 37.38 cM

**Gene Summary:** Required for the uptake of creatine. Plays an important role in supplying creatine to the brain via the blood-brain barrier.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).