

## Product datasheet for **MC217295**

### **Slc6a18 (NM\_001168645) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc6a18 (NM_001168645) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc6a18
Synonyms:	B0AT3; D630001K16Rik; Xt2; Xtrp2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >MC217295 representing NM\_001168645  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGCACAGGCCTCAGGGATGGACCCGCTTGTGGACATTGAGGATGAAAGACCCAAGTGGGACAACAAC  
 TCCAGTACCTCCTGAGCTGCATCGGTTTTGCTGTGGGGCTGGGGAACATATGGAGGTTCCCTACCTGTG  
 CCAGACCCACGGAGGAGGGCCTTCTCATCCCTATTTTCATTGCCCTGGTCTTTGAGGGTATCCCGCTT  
 TTCTACATCGAGCTTGCATTGGCCAGCGCCTACGGAGGGGAAGCATTGGAGTGTGGAAGACCATCTCCC  
 CTTACCTCGGTGGCGTAGGCCTGGGCTGCTTCTCAGTGTCTTCTGGTCAAGTTGTTACTACAACACGGT  
 TCTCTGTGGGTCTTATGGTCTTCTCAACTCCTTCCAACACCCGCTGCCCTGGAGCACATGTCCGCTG  
 GATCTCAACAGAACAGGATTTGTGCAGGAATGCCAGAGCAGTGGCACCGTGGAGTACTTCTGGTACCGGC  
 AGACTCTGAATATCACATCTGACATCAGCAACACAGGCACTATCCAATGGAAGCTGTTCTCTGCCTGGT  
 GGCCTGCTGGTCAACTGTGTACCTGTGTGTCATCAGAGGCATTGAGAGCACGGGGAAGGTGATCTACTTT  
 ACAGCCTTATCCCTTACCTGGTGTAAACCATTTCTCTCATCAGAGGTCTTACCCTGCCTGGAGCAACAG  
 AGGGCCTGATCTACCTGTTTACTCCCAATATGAAGACTCTTCCAGAAATCCACGGGTGTGGTTGGATGCAGC  
 CACCCAGATTTTCTTCTCCCTGTCCCTGGCCTTTGGAGGGCATATTGCTTTTGCAAGCTACAACCCACCC  
 AGGAACAATTGTGAGAAGGACGCCGTGATTATTGCCCTGGTCAACAGCATGACCTCCCTGTATGCATCCA  
 TCGCCATCTTCTCCGTATGGGGTTCAAGGCATCCAATGACTATGGAAGGTGCCTGGACAGAAATATCTT  
 GAGCCTCATCAATGAGTTTGACCTTCCAGAGCTTAGCATCTCCAGGGATGAGTACCCATCTGTCTCATG  
 TACCTGAATGCCACTCAGACTGCGAGGGTGGCCCAACTCCCTGAAGACCTGCCATCTGGAAGATTTTC  
 TGGATAAGCCACCTGGAAGCAGATCTCCGGGGCCCGTGTCTTGGAGAAGGCTGTGCCAGGCTGACTTC  
 TAGAGTCTGTGAAGCCTCAGTGTCTCCAGGGGTGATCTGCTTTGCCTGTTTCTCTCAGCCATTTGCTTC  
 ACACTGCAGTCTGGAGGCTACTGTTGGAGATCTTTGACAGTTTTGCAGTCTCTGAATTAATCATCT  
 TCGCCTTCATGGAAGTGGTGGGAGTCATTACATTTATGGGATGAAACGGAACATTTTCCCTCAAGAGAG  
 GAGAAGTTCTACCCAGGCTGGGTGCAGGTACCTGTGTGCTCCTGTCTTCTGCCCTCACTGTGGGTCC  
 CTGGAGTTGCTCTGGCTCAGTTACTGTCCAGTACAAACAGAGGTGGAAGGCTACGCATCTGAAAGTGG  
 TCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001168645

**Insert Size:** 1545 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\\_001168645.1](#), [NP\\_001162116.1](#)

**RefSeq Size:** 4037 bp

**RefSeq ORF:** 1545 bp

**Locus ID:** 22598

**UniProt ID:** [O88576](#)

**Cytogenetics:** 13 40.13 cM

**Gene Summary:** Functions as a sodium and chloride-dependent neutral amino acid transporter in kidneys (PubMed:26240152, PubMed:19478081). Required CLTRN for cell surface expression and for its amino acid transporter activity (PubMed:26240152).[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (5) has multiple differences in the coding region, compared to variant 1, one of which results in a translational frameshift. The encoded isoform (5) is shorter and has a distinct C-terminus, compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.