

## Product datasheet for **MC219245**

### **Slc47a2 (NM\_001033542) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc47a2 (NM_001033542) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc47a2
Synonyms:	4933429E10Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219245 representing NM\_001033542  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGCCGGCCGAGGACAGCCTGGGAGCCACCATCCAGCCCCGGAGCTGGTCCCGCTCCACGGGGGC  
 GCAGTCTGAGGATCCTGCTGGGCCCTTCGAGGAGCGCTGTCCCCGACGTGAGACGGGAGGCGGCCGCT  
 AGTGGCGCTCGCGGGCCCGGTGTTCTGCGCAGCTGATGATCTTTCTCATCAGCATCGTCAGTTCCATC  
 TTCTGCGGACACCTGGGCAAAGTCGAGTTGGACGCCGTGACACTCGTGTTCGGTTGTGAATGTCACTG  
 GAATTTCACTAGGGACTGGCTTGGCCTCGGCTTGTGACACACTGATGTCTCAGTCTTTGGAGGCAAGAA  
 CTTGAAGCGCTGGGGTCATACTCCAAAGGGGCATCCTCATCTGCTGCTGCTGCTTCCCATGCTGG  
 GCCATCTCTCAACACCGAGCGCTGCTGCTCCTAAGGCAGGACCCGGATGTGCCAGGCTAGCCC  
 AGGTTTATGTGATGATATGCATCCCTGCTTCTGTCAGCGTTTCTATTCCAGCTGCAGACGCGGTATTT  
 ACAGAGCCAGGGCATATTATGCCCAAGTTATTGTTGGGATCGCAGCAAATGTCGTCAAGTGGGCATG  
 AACGCCTTCTGTGATGATGCCTTGGACCTCGGAGTGGTAGGGTCGGCCTGGGCCAACACCACCTCTCAGT  
 TCTTCTGCTGCGCTGCTTTTCTCTACGTGTGGTGAAGAGAATCCACATCCACACTTGGGGAGGGTG  
 GACAAGGGAGTGCTTCCAGGAGTGGAGCTCCTACACGCGCCTGGCCATCCCCAGTATGTTTCATGGTGTG  
 ATCGAGTGGTGGACCTTCGAGATTGGGACCTTCTTGCAGGCCTTGTAAATGTGACAGAAGTGGGAGCCC  
 AGGCCGTCATCTATGAAGTGGCTTCTGTCGCCTACATGGTGCCTTTGGCTTTGGTGTGGCTGCCAGCGT  
 CCGAGTGGGCAATGCTCTGGGGGAGGGAACGCTGACCAGGCCGGTGTCTGTACCAGTGTCTTCTCTG  
 TGTGCTGGTGTCTGTGCACTCCTGGTGGGATTCTGCTCGCAGCCTTGAAGGATGTGGTTGCCTACATCT  
 TCACCAATGACAAGGACATCATTCCCTTGTGAGTCAAGTATGCCATTTTTGCTCCCTTTCATCTCTT  
 TGATGCATTTGGCGCACCTGTGGCGGGTCTGAGAGGCACGGGAAAACAAAAGATAGGCGCTGTCTGT  
 AACACTATCGTTACTACGGGTTTGGTTTTCTATTGGAGTGTCCCTGATGTTTGTGCTAAGCTTGGGA  
 TAATAGGCCTCTGGGCTGGACTGATAGTCTGTGCTCCTTCCAAGCCTTCTCCTATTTAATCTACATCCT  
 GAGGACAAACTGGAGCAGAGTCGAGAGCAGGCACAAGTTCGAGCTGGGCTAAAAAGCACCAAGGAGTTG  
 ATACCCACGCCAGCAGATCTGCCATCTTGAAAGAGAAGTTATGGATGGAGTGTATTTGCCTGATATCA  
 TCAGGCCAGAGATCAGACCGCCAGCTGGTGGTGAAGAGAACAGCCAGTGTGCAGTGCCACCGTTGG  
 GGAGTCTTGACGGGGAGACAGCTGGTTTTCTATCGTGGGATGGCTCTGACTGTTTCTGTTGCTGTCCCT  
 ATAGCAGGGATTGTGGTGGAGTTTTCAATGACCGTGGC**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001033542
- Insert Size:** 1722 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\\_001033542.2](#), [NP\\_001028714.1](#)

**RefSeq Size:** 2377 bp

**RefSeq ORF:** 1722 bp

**Locus ID:** 380701

**UniProt ID:** [Q3V050](#)

**Cytogenetics:** 11 B2

**Gene Summary:** Solute transporter for tetraethylammonium (TEA), cimetidine, choline, procainamide, cimetidine, quinidine, guanidine, N-methylnicotinamide (NMN). Responsible for the secretion of cationic drugs across the brush border membranes.[UniProtKB/Swiss-Prot Function]