

## Product datasheet for **MC219244**

### **Slc41a2 (NM\_177388) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc41a2 (NM_177388) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc41a2
Synonyms:	A230035L05Rik; SLC41A1-L1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219244 representing NM\_177388  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACCCACAGTAAAGGAAGACCTGTCACTTACAAGACAAGTCCAGTCCGGAGAGTGGAGGAGTTTTG  
 TAGATTGGACTTTAAATTTAAATACAATTCAATCTGACAAGTTTTTGAACCTACTTTAAGCATGGTGCC  
 AGTCATTTACCAGAAAAATCAGGAAGACAGGCATAAAAAAGTAAATGGCATCTGGCAGGACGGGCTGTCG  
 GGTGCAGCACAGACCTTCAGCAAGAGATCAGAGCCACATCTGGACTACCACGAGTTCTCAGAGCAAGCCT  
 TCCACAGCAGCAGCAGTGGGCACACTCCAGCCAGCTGCAGCCCCAAGTACGATGACTATGCTGGCTATAA  
 CTA CTACTGTGACGGGAGGGAGGCTTCGAAACCACCGCCATGTTACAGGACGAAGATCTGTCCAGCGAGGGC  
 GATGATGTTATTGTGAAACAAGCCAGAGGATTCCAAAGGAGTCCAGTGGGGTTCATGGCTCTGCAGATAT  
 TGGTGCCATTCTGCTGGCTGGGTTTGAACGGTTTCTGCTGGCATGGTTTTGGACATAGTCAGCAGCTG  
 GGAGGTGTTCAAAAATGTGACAGAAGTCTTCATTTTGGTCCCCGGCTTCTTGGTCTTAAAGGAACTTG  
 GAAATGACGCTGGCTTCTCGATTACTACTGCAGTAAATGTTGGGAAGATGGACTCACCCATTGAGAAGT  
 GGAATCTAATCATTGGCAACTTGGCTTTAAAGCAGGTTACAGCCACAGTGGTTGGCTTTTTAGCAGCTGT  
 GGCAGCCATCATACTGGGCTGGATTCCAGAAGGGAAGTATTACCTCAGCCATTCCATACTTCTGTGCTCC  
 AGCAGTGTGGCAACGGCCTTCATCGCATCTCTACTGCAGGGAATAATAATGGTTGGTGTTATCGTTGGCT  
 CCAAGAAGACTGGCATAAACCCCTGACAACGTGGCCACACCCATTGCTGCTAGTTTTGGTGATCTGATAAC  
 TCTCGCCATATTAGCTTGATAAGTCAGGGTTTGTACTCCTGTCTTGAGACATATTATTACATTTCCCCA  
 TTAGTGTGTGCCTTTTTCTGGCTCTGACTCCTATCTGGATTATAATAGCTGCCAAGCACCCAGCTACCA  
 GGACAGTGTCCACTCAGGCTGGGAGCCTGTCTAACAGCCATGGTTATAAGCAGCATCGGGGGCCTTAT  
 TCTGGACACAACGTGATCTGACCCAACTTGGTTGGGATTGTTGTTTACAGCCAGTTATCAACGGGATC  
 GGTGGCAATTTGGTGGCCATTACAGGCTAGCAGGATTTCTACCTACCTCCATTTACATAGCATCCCCGGAG  
 AACTACCTGAGGAGCCCAAAGGCTGTTCTACCCATTTAGGACATTTTTTGGTTCAGGAGTGAACAATAA  
 GTCTGCCAGGTTCTCCTGCTCTTCGTGATCCCGGGCCACTTGATCTTCTCTACACAATTCACCTGATG  
 AAGAGTGGCCACACCTCTCTGACTGTAGTCTTTGTTGTTGTACCTGTTTGTGCTGTGCTGCAGGTGT  
 TCACCCTGCTGTGGATCGCCGACTGGATGGTCCATCGCTTCTGGAGAAAAGGAAAGGACCCAGACAGTTT  
 CTCCATCCCGTACCTCACGGCGCTGGGCGATCTGCTTGGGACTGCTCTGCTGGCCTTAAGCTTCCATTTT  
 CTCTGGCTCATTGGAGACCGAGATGGAGACGTTGGAGAC**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_177388
- 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\\_177388.3](#), [NP\\_796362.1](#)

**RefSeq Size:** 4386 bp

**RefSeq ORF:** 1722 bp

**Locus ID:** 338365

**UniProt ID:** [Q8BYR8](#)

**Cytogenetics:** 10 C1

**Gene Summary:** Acts as a plasma-membrane magnesium transporter.[UniProtKB/Swiss-Prot Function]