

## Product datasheet for **RN206417**

### **Slc41a2 (NM\_001108742) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc41a2 (NM_001108742) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc41a2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN206417 representing NM\_001108742  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACCCACAGTAAAGGAAGACCTGCCACTTACAAGACAAGTCCAGTCCGGAGAGCGGAGGGGTTTTG  
 TAGATTGGACTTTAAATTTAAATACAATTCAATCTGACAAGTTTCTAACTTACTGTAAAGCATGGTGCC  
 AGTCATTTACCAGAAAAACCAGGAAGACAGGCATAAAAAAGTCAACGGCATTGGCAGGACGGGCTGTCT  
 GGTGCGGCACAACTTTAGCAAGAGATCGGAGCCACATCTGGACTACCATGAGTTCTCCGAGCAGGCCCT  
 TCCACAGCGGGCGGTGGCCATACCCAGCCAGCTGCAGCCCCAGGTACGACGACTATGCCGGCTATAACTA  
 CTGTGACGGAAGGGAGGCCCTCAGAAACCACCGCCATGTTACAAGATGAAGATCCGTCAGTCAGGGCGAT  
 GACGTTATTGTGAAACAAGCCAGAGGCTCCCGAAGGAATCCAGTGGAGTCATGGCTCTGCAGATACTTG  
 TGCCATCTTGTGCGCCGGTTTTGGAAGTGTTCGCTGGCATGGTTTTGGACATAGTGCAGCACTGGGA  
 GGTGTTCAAAAACGTGACAGAAGTCTTCATTTTGGTGCCCGCTTCTTGGTCTGAAAGGGAAGTTGGAA  
 ATGACATTGGCGTCTCGATTATCCACTGCAGTGAATGTCGGGAAGATGGACTCACCCATTGAGAAGTGGA  
 ATCTAATCATAGGCAACTTGGCTTTGAAGCAGGTGCAGGCCACAGTAGTTGGTTTTCTGGCAGCTGTGGC  
 AGCGATCATACTGGGCTGGATCCGGAAGGGAATATTACCTCAGCCATTCCATACTCCTGTGCTCCAGC  
 AGTGTGGCAACCGCTTCATTGCGTCTCTCCTGCAGGGAATAAATGGTTGGAGTTATCGTTGGCTCCA  
 AGAAGACAGGCATAAACCCCGACAACGTGGCCACACCCATTGCTGCTAGTTTTGGTGATCTGATAACTCT  
 GGCCATATTAGCTTGATAAGTCAGGGTTGTACTCCTGTCTTGTGCTGCCAAGCACCCAGCTACCAGGACA  
 GTGCTCCACTCGGGCTGGGAGCCAGTCATAACAGCCATGGTTATAAGCAGCATCGGGGGCCTTATTCTGG  
 ACACAACCGTATCTGACCAAACTTGGTTGGGATTGTTGTTTACACGCCAGTTATCAACGGGATCGGTGG  
 CAATTTGGTGGCCATTCAGGCTAGCAGGATTTCTACCTACCTCCATTTACACAGCCTCCCGGAGAACTA  
 CCTGAGGAGCCAAAGGCTGCTCCTACCCATTTAGGACGTTTTTTGGTTCAGGAGTGAACAATAAGTCTG  
 CCCAGGTTCTCCTGCTCTTCGTGATTCCTGGCCACCTGATCTTCTCTACACAATCCATCTGATGAAGAG  
 CGGCCACACCTCTGACTGTAGTCTTTGTTGTTGTGTACCTGCTTGCTGCTGTGCTCCAGGTGTTCCACC  
 CTGCTGTGGATCGCTGACTGGATGGTCCATCGCTTCTGGAGGAAAGGAAAGGACCCAGATAGTTTCTCCA  
 TCCCGTACCTGACGGCGTAGGGACCTGCTTGGGACCGCTCTGCTGGCCTTAAGCTTCCATTTTCTCTG  
 GCTTATCGGAGACCGAGATGGCGACGTTGGAGACTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001108742

**Insert Size:** 1647 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\\_001108742.1](#), [NP\\_001102212.1](#)

**RefSeq Size:** 4614 bp

**RefSeq ORF:** 1647 bp

**Locus ID:** 362861

**Cytogenetics:** 7q13