

## Product datasheet for **RN210645**

### **Slc17a1 (NM\_133554) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc17a1 (NM_133554) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc17a1
Synonyms:	Napi-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN210645 representing NM\_133554  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGAACCGGTGCCTCCCAAGAAAGTTCCAGGTTTCTGTTCCCTTCGGTATGGACTGGCTATCCTTT  
 TGCACTTCTGTAACATTGTCATCATGGCTCAGCGAGTGTGCCTGAACCTACAATGGTAGCCATGGTGAA  
 TAAAACAGAGCCACCCCATTTATCTAACAAGTCTGTAGCAGAGATGCTGGATAATGTAAAGAACCCTGTG  
 CATTCTGGAGTCTTGATATTCAAGGGCTATTCTCAGTCTGTCTTCTGGGTATGGTTGTGATTCAAG  
 TTCCTGTTGGGTACCTATCTGGAGCATACCCAATGAAGAAAATAATTGGGCTTTCATTGTTCCCTCAGCTC  
 TGTGCTGTCCCTGCTCATCCACCAGCTGCACAAGTGGAGCAGCTTTGGTCATTGTATGCCGAGTACTC  
 CAAGGAATAGCCAGGGAGCAGTGTCAACAGGCCAGCATGGAATATGGGTCAAATGGGCACCTCCCTTGG  
 AACGAGGCAGACTTACCTCTATGACTCTATCAGGGTTTGAATGGGACCATTTATTGCCCTGCTTGTGAG  
 TGGCTTCATCTGTGATCTTCTGGTTGGCCATGGTTTTCTACATCTTTGGTATTGTTGGGTGTGTTCTG  
 AGTCTTTTCTGGTTCATCCTTTTCTTTGATGACCCCAACAACCACCCATATATGAGCAGCAGTGAGAAGG  
 ATTACATCACATCCTCTCTCATGCAACAGGTGCACTCGGGCAGACAATCTCTGCCAATCAAAGCTATGCT  
 TAAGTCTCTTCCACTCTGGGCCATTATCCTCAATAGCTTTGCTTTTCATATGGTCGAACAATCTTCTGGTT  
 ACATACACGCCAACATTTATTAGCACCAGCTTTCATGTTAATGTTAGAGAGAATGGGCTGCTGTCCAGCC  
 TCCCTATCTGCTTGCCTACATCTGTGGTATCGTAGCAGGTGAGATGTCAGACTTCTCCTGTCAAGGAA  
 GATTTTCAGCGTAGTTGCTGTCCGAAACTCTTACCACACTAGGGATTTTCTGTCTGTGATTTTGTGTC  
 GTGTGCCTGCTACCTGAGCTACAACCTTACAGCACCCTCATTTTCTTACACTTGCCAACTCGACAC  
 TTAGCTTTTCTTCTGTGGACAACCTTCAATGCCTTGGATATTGCTCCAGATATTATGGATTTCTAAA  
 GGCAGTCACAGCTTTAATTGGAATATTTGGGGCCTAATTTCTTCAACTCTTGGGGTTGATCCTTAAT  
 CAGGATCCAGAATATGCTTGGCATAAAAACTTCTTCTTGTGAGGCAGGCATTAACGTGACATGCTGGCTT  
 TCTACCTTCTGTTTGCAAAGGAGATATTCAGGACTGGGCTAAAGAAACAAAACACACGGCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_133554
- Insert Size:** 1398 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\\_133554.2](#), [NP\\_598238.2](#)  
RefSeq Size: 1848 bp  
RefSeq ORF: 1398 bp  
Locus ID: 171080  
Cytogenetics: 17p11  
Gene Summary: cotransports sodium and phosphate [RGD, Feb 2006]