

## Product datasheet for **MC216237**

### **Slc17a1 (NM\_009198) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc17a1 (NM_009198) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc17a1
Synonyms:	NAPI-1; Napi1; Npt1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216237 representing NM\_009198  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAGAACCAGTGCCTCCCAAGAAAGTTCCAGGGTTCTGTTCCCTCCGGTATGGACTGGCTATCCTTC  
TGCACTTCTGTAACATTGCCATCATGGCCAGAGAGTGTGCCTGAACCTACCATGGTAGCCATGGTGAA  
CAACACAGGGTACCCCCATTTATCTAACGAATCTGTAGTGGAGATGTTGGACAATGTAAAGAACCCTGTG  
TATTCCTGGAGTCTGATATCCAAGGGCTATTCTCAGTCTGTCTTCTTTGGTATGGTCGTGGTTCAGG  
CTCCTGTCGGGTACCTATCTGGAATATACCAATGAAGAGAATAATTGGGTCTTCACTGTTCTCAGCTC  
TTTGATGTCCTTGTCTCCACCTGCTGCACAAGTGGAGCTGCTTTAGTCATTGTGTGTCGAGTACTC  
CAGGGAATAGCCAGGGAACAGTGTCAACAGGCCAGCATGAAATATGGGTCAAATGGGCACCTCCCTTAG  
AACGAGGCAGACTTACCTCTATGACTCTATCAGGGTTTGAATGGGACCTTTATTGTCCTGTTGTGAG  
TGGCTTCTGTGATCTTCTGGGCTGGCCATGGTCTTCTACATCTTTGGTATTGTTGGGTGTGTTCTG  
AGTCTTTCTGGTTCTTTCTATTCTTTGATGACCCCAAGGACCACCCGTATATGAGCAGCAGTGAGAAGG  
ACTACATCATATCCTCCCTCATGCAACAGGCCAGCTCAGGCAGACAATCCCTGCCAATCAAAGCTATGCT  
TAAATCTCTTCCACTCTGGGCCATTATCCTCAATAGCTTTGCTTTTCATATGGTCGAACAGTCTCCTGGTT  
ACATACACGCCGACATTTATCAGCACTGTGCTTCAATGTTAATGTTAGAGAGAATGGACTGCTGTCCAGCC  
TCCCCTATCTGCTTGCCTACATCTGTGGTATCCTAGCAGGTCAGATGTCAGACTTCTTCTGACCAGGAA  
GATTTTACAGCATAGTTACCGTCCGAAACTCTTACCACACTAGGGAGTTTCTGTCCCGTATCTTCATC  
ATGTGCTTGTCTACCTGAGCTACAATCTACAGCACCGTCATTTTCTGACACTTGCCAACTCAACAC  
TTAGCTTTTCTACTGCGGACAACCTTATCAATGCCTTGGATATTGCTCCAGATATTATGGATTTCTTAA  
GGCAGTACAGCTTTAATTGGAATGTTTGGGGCCTGATTTCTTCAACTCTTGGGTTGATTCTTAAT  
CAGGATCCGGAATAGCTTGGCATAAAAATTTTCTTCTTGTATGGCAGGCATTAATGTGACATGCTGGTTT  
TCTATTTTCTATTTGCTAAAGGAGAAATTCAGGACTGGGCTAAAGAAATAAAAACACACGACT**GTA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_009198

**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\\_009198.3](#), [NP\\_033224.3](#)

RefSeq Size: 2049 bp

RefSeq ORF: 1398 bp

Locus ID: 20504

UniProt ID: [Q61983](#)

Cytogenetics: 13 9.97 cM

**Gene Summary:** Important for the resorption of phosphate by the kidney. May be involved in actively transporting phosphate into cells via Na(+) cotransport in the renal brush border membrane. Plays a role in urate transport in the kidney.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) encodes the protein. Variants 1 and 2 encode the same protein.