

Product datasheet for **MC216287**

Slc17a1 (NM_001170638) Mouse Untagged Clone

Product data:

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|--------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Slc17a1 (NM_001170638) 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: >MC216287 representing NM_001170638
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGAACCAGTGCCTCCCAAGAAAGTTCCAGGGTTCTGTTCCCTCCGGTATGGACTGGCTATCCTTC
 TGCACTTCTGTAACATTGCCATCATGGCCAGAGAGTGTGCCTGAACCTACCATGGTAGCCATGGTGAA
 CAACACAGGGTACCCCCATTTATCTAACGAATCTGTAGTGGAGATGTTGGACAATGTAAAGAACCCTGTG
 TATTCTGGAGTCTGATATCCAAGGGCTATTCTCAGTCTGTCTTCTTTGGTATGGTCGTGGTTCAGG
 CTCCTGTCGGGTACCTATCTGGAATATACCAATGAAGAGAATAATTGGGCTTCACTGTTCTCAGCTC
 TTTGATGCTTGTCTCCACCTGCTGCACAAGTGGAGCTGCTTTAGTCATTGTGTGTCGAGTACTC
 CAGGGAATAGCCAGGGAACAGTGTCAACAGGCCAGCATGAAATATGGGTCAAATGGGCACCTCCCTTAG
 AACGAGGCAGACTTACCTCTATGACTCTATCAGGGTTTGAATGGGACCATTTATTGTCCTGTTGTGAG
 TGGCTTCATCTGTGATCTTCTGGGCTGGCCATGGTCTTCTACATCTTTGGTATTGTTGGGTGTGTTCTG
 AGTCTTTCTGGTCTTTCTATTCTTTGATGACCCCAAGGACCACCCGTATATGAGCAGCAGTGAGAAGG
 ACTACATCATATCCTCCCTCATGCAACAGGCCAGCTCAGGCAGACAATCCCTGCCAATCAAAGCTATGCT
 TAAATCTCTTCCACTCTGGGCCATTATCCTCAATAGCTTTGCTTTTATGATGGTCGAACAGTCTCCTGGTT
 ACATACACGCCGACATTTATCAGCACTGTGCTTCAATGTTAATGTTAGAGAGAATGGACTGCTGTCCAGCC
 TCCCTATCTGCTTGCCTACATCTGTGGTATCCTAGCAGGTCAGATGTCAGACTTCTTCTGACCAGGAA
 GATTTTACAGCATGTTACCGTCCGAAACTCTTACCACACTAGGGAGTTTCTGTCCCGTATCTTATC
 ATGTGCTTGTCTACCTGAGCTACAACCTTACAGCACCCTGATTTTCTGACACTTCCCAACTCAACAC
 TTAGCTTTTCTACTGCGGACAACCTTATCAATGCCTTGGATATTGCTCCAGATATTATGGATTTCTTAA
 GGCAGTACAGCTTTAATTGGAATGTTTGGGGCCTGATTTCTTCAACTCTTGGGTTGATTCTTAAT
 CAGGATCCGGAATATGCTTGGCATAAAAATTTCTTCTTGTATGGCAGGCATTAATGTGACATGCTGGTTT
 TCTATTTTCTATTTGCTAAAGGAGAAATTCAGGACTGGGCTAAAGAAATAAAAACACACGACT**GTA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001170638

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_001170638.1](#), [NP_001164109.1](#)

RefSeq Size: 1957 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 (2) differs in the 5' UTR, compared to variant 1. Variants 1 and 2 encode the same protein.