

## Product datasheet for **MC219556**

### **Slc34a3 (NM\_080854) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc34a3 (NM_080854) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc34a3
Synonyms:	A1649385; naPi-2c; Npt2c; Npt2c-v1; Npt1lc
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219556 representing NM\_080854  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCCGAATTCCTCGCCGGTGGCCAGGTCCTCAACCCTACTCTGGATGCCTTTGACCTGGTGGACCGGA  
 GTCTGAGAAATGCAGGAATCTCCGGTCCATTCCAGGCTTGAAGAGGGAGGTACAGATCCCTGGACCTT  
 CTCTCCGCTGAAGAACGCTGACCAACTGAAAGAGGTTGGCATGGCCAGCAGGCTTCGCCGGGTGGTCAAGC  
 AGCTTTCTCAAGGCATGTGGACTCCTGGGAAGCCTCTACTTTTTTCATCTGCTCCCTGGACATCCTCAGCT  
 CTGCTTTCCAGCTACTAGGCAGCAAAAATGGCTGGAGACATTTTCAAGGACAATGTGGTGTGTCCAACCC  
 TGTGGCGGGCTTGGTCATTGGTGTGTGGTCCAGTCTTGTCCAGAGCTCCAGCACATCTTCTCTATC  
 GTGGTCAGCATGGTGGCCTTAAGTTGCTGACTGTCCAGGTGTCTGTGCCTATCATATGGGCGTCAATG  
 TGGTACTTCGATCACCAGCACCTGGTCTCAATGGCGCAGTCAGGGACCGGGATGAATTCAGAGGGC  
 CTTAGCGGGCTCGCCGTGCATGGCATCTCAACTGGCTCACAGTATTGGTATTGCTGCCGTGGAGAGT  
 GCCACCGCAGCATTAGAGAGACTGAGTGAAGTGGCCCTGGGTGTCTAGCCTGCAGCCAGGGCAGCAGG  
 CCCCCGACATCCTCAAGGCACTGACTCGGCCTTTCACACACCTCATCATCCAGCTGGATAGCAGTGTGAT  
 AACCGAGCGGATACCAGCAACACCACTAACAGCAGCCTGATTAAGCATTGGTGTGGCTTCAGGGGGGAG  
 ACGCCCCAGGGAAGCAGTGAGGGATGTGGCCTCTTCAGCTCTTGCACAGAGAGGAACAGCTCAGCATCTC  
 CAGAGGAGGACAGATTGCTCTGCCATCACCTGTTTCCGGCTCAAACCTCACAGACTTGGCTGTGGGCTT  
 CATCCTGCTGGCGGGCTCGTGTGGTGTCTGTGTCTGTCTGGTCTCATCGTTAAACTGCTCAACTCT  
 GTGTTGAAGGGCCGCATCGCACAGGCTGTGAAGACTGTTATCAATGCAGATTTCCCTTCCCTTTGGCT  
 GGCTCAGCGGCTACTTGGCTATCCTCGTTGGCGCAGGCTAACCTTCTTGGCTTCCAGAGCAGTGTGTCTT  
 CACAGCAGCCATCGTGCCTCTCATGGGGTTGGGGTGATTGACCTGGAACGGGCCCTACCCCTCTTCTTG  
 GGTCCAACATCGGCACCAACCACACAGCCCTGCTGGCTGCCTTAGCCAGCCCTGCAGACATGTTAATCT  
 TCGCAGTTCAGTTGCTCTCATCCACTTCTTCAACCTGGCTGGCATACTGCTGTGGTACCTGGTGGC  
 TGTCTTGAGACTGCCAATCCACTGGCCAAGCGCTTGGAAACCTGACTGCCAGTATCGCTGGTGGCC  
 ATTGTCTACCTACTATTAACCTTCTGCTGCTACCCCTAGCAGCCTTGGACTTTCCTGGCAGGGGGCA  
 CAGTGTGGTGCAGTAGGGGCTCTGGTGGGGCTGGTGTCTTATCATCTGGTTAATGCTCCTGCA  
 ACAACACCGACCATTGGCTGCCCGCTGTCTCAATCCTGGGCTGGTGGCCTCTGGTCCATTCT  
 CTGGAGCCCTGGACCGCTGGTACTGCTTGTGCCCTGCAGGGCCTGCAGCAACTCTCTATGACCA  
 GCAAAGTGGCTCACTGCTATGAGAACCACAAGTCATAGCTTCTCAGCAGTT**GTGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_080854
- Insert Size:** 1806 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\\_080854.3](#), [NP\\_543130.2](#)

**RefSeq Size:** 2054 bp

**RefSeq ORF:** 1806 bp

**Locus ID:** 142681

**UniProt ID:** [Q80SU6](#)

**Cytogenetics:** 2 A3

**Gene Summary:** May be involved in actively transporting phosphate into cells via Na(+) cotransport in the renal brush border membrane. Probably mediates 20-30% of the apical influx.

[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.