

Product datasheet for **MC216039**

Slc17a2 (NM_144836) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc17a2 (NM_144836) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc17a2
Synonyms:	C730032N17Rik; NPT3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216039 representing NM_144836
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGAGAAGCCTACCACCAGGAAAGGGTCAGGTTTCTGCTCATTACGCTACGCGCTGGCTCTCATCA
 TGCACTTCTCCAACCTCACCATGATAACGCAGCGTGTGAGCCTGAGCATTGCCATCATTGCCATGGTGAA
 CAGCACACAGCATCAGGACCCAGCTAATGCGTCCACGGAGGGCCTGTGATGGATCTCCTCAGCAACCAG
 AGCAGAGGAATCAAGGACTTTAGTACCCGGGCTGCTGTCTATCAGTGGAGCACAGAGACCCAGGGCATT
 TCTTTAGTCCATCAGCTATGGAATCATACTGACGTTAATACCAAGTGGATATTTAGCGGGGATATTTGG
 AGCAAAGCAGATCCTTGGCGCTGGGTTGCTCATCTCATCCCTGCTCACGCTGTTTACTCCACTGGCTGCT
 GACTTTGGGGTGATTTTGGTCATTGTTCGCACAGTCCAGGGGATGGCACAGGAATGGCCTGGACTG
 GTCAGTTCACAATTTGGGCAAAGTGGGCTCCGCCACTTGAACGGAGCAAGCTCACCAGCATTGCGGGTTC
 AGGGGCAGCGTTTGGGTCCTTCATCATCCTCTGTGTGGGAGGATTAATCTCACAGGCACTGGGCTGGCCT
 TTTATCTTCTACATCTTTGGTAGCATTGGCTGTGTCTGCTGTGTCTGTGGTTCACGGTGATTTATGATG
 ACCCCATGCATCACCCATGCATAAGTGTGAGGGAAAAGGAACACATCACATCCTCAGTGGCTCAGCAGTC
 GAGTTCTCCCAGAAGGTCTGTCCCATAAAGGCGATGGTCAGATGCCTGCCACTGTGGGCCATTTTCATG
 GGTTTTTTCAGTCATTTCTGGCTTTCACCATAATCATAACATACCTACCGACGTACATCAGCACAGTGC
 TGCACGTTAACATCAGAGACAGTGGGGTTCTGTCTCCCTGCCTTTCATTGCTGCCTCAAGCTGTACAAT
 TTTAGGAGGTGAGATGGCAGATTTCTTCTCAGGAATCTTCTCAGCTTAATCACAGTTCGAAAATCT
 TTTTCATCCCTGGGGCTCCTCCTCCATCCCTTGGCGTGTGGCCCTGCCTTTTGTGACTCCAGTTACA
 TAGCAACCATTGTTTGGTGAATACTCATTCTGGGACCAGCAATTTGTGACTCAGGGTTCATCATCAA
 CACCCTAGACGTTGCCCCAGATATGCAAGTTTCTCATGGGCATCTCAAGGGGATTTGGTCTTACTGCA
 GGGATCATCTCATCCACTACCACCGGATTCCTTATCAGTCAGGTTGGGCATGTTATTGAACATCTGCAAG
 TGGCAGGATTC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_144836

Insert Size: 1344 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_144836.2](#), [NP_659085.1](#)

RefSeq Size: 2974 bp

RefSeq ORF: 1344 bp

Locus ID: 218103

UniProt ID: [Q5SZA1](#)

Cytogenetics: 13 A3.1

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 (By similarity).[UniProtKB/Swiss-Prot Function]