

Product datasheet for **MC219408**

Slc13a1 (NM_019481) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc13a1 (NM_019481) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slc13a1
Synonyms:	AI314066; AI987826; Nas1; NaSi-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219408 representing NM_019481
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGCTCCTCAATTATGCTTTGGTCTATCGCCGCTTCTCCTTGTGGTTTTCACTATTTGGTTTTCT
 TGCCACTCCCTCTCATCATCCGCACCAAGGAAGACAATGTGCCTACATCCTCTTTGTTATTGCCATATT
 TTGGATCACAGAAGCCTTGCCCTGTCAATCACAGCTCTACTGCCTGGGTTAATGTTCCCCATGTTTGGG
 ATCATGCGTTCTTACAGGTGGCTTCTGCTTATTTCAAAGACTTTCACCTTCTGTAATTGGAGTCATCT
 GTTTAGCAACATCAATAGAAAAATGGAATTTGCACAAGAGGATCGCTCTGAGGATGGTGATGATGGTGGG
 GGTGAATCCAGCCTGGCTGACGTTGGGGTTCATGAGCAGCACTGCCTTCTATCTATGTGGCTTAGCAAC
 ACCTCTACTGCTGCCATGGTGATGCCCATCGTGGAGGCTGTGGCGCAGCAGATCATCAGTCTGAAGCAG
 AGGCCGAGGCCACTCAGATGACTTATTTCAATGAATCTGCCGCCACGGACTGGACATTGATGAACTGT
 TATTGGACAAGAAACAAATGAGAAAAAGAGAAAAACAAACCAGTCCAGGAAGCAGTCATGACAAAGGG
 AAAGTGTCAAGAAAGATGGAGACAGAAAAGAATGCAGTCACAGGAGCAAAATATCGGTCAAGGAAGGACC
 ACATGATGTGTAAGCTCATGTGTTTATCTGTTGCTTACTCTTCAACCATTGGTGGGCTGACAACAATCAC
 GGGTACCTCCACCAACCTGATCTTCTCTGAGCATTCAATACGCGCTACCCTGATTGTGCGTGCCTCAAC
 TTTGGTTCCTGGTTTTTGTTCCTTCCCGGTTGCTCTAATTCTTCTACTTTTGTCTTGGATTGGCTCC
 AGTGGCTCTACCTAGGATTCGACTTTAAGATGTTCAAGTGTGGCAAAACCAAACTCAAAGAAAAAGC
 TTGTGCAAAGGTGATCAAACAAGAATATGAAAACTTGGGCAATGAGGTATCAAGAAATCGTGACCTTG
 GTGATCTTCATTGTAATGGCCTTGCTCTGGTTCAGTCGGGACCCAGGCTTTGTCACTGGTGGTCCGGTCC
 TGTTTTTCAGAGTACCCGGGTTATGTTACAGATTCACGGTTGCTTTAGTAGCAGGAATCCTTTTCTTCT
 AATTCCAGCTAAGAAAGTGACAAAAATGACATCTGCAGGAGAAATATTGCTTTTGATTACACTCCTCTG
 ATTACTTGAAAAGAAATCCAGTCATTATGCCCTGGGACATAGCCATTCTTGTGGTGGAGGCTTTGCC
 TGGCAGATGGCTGTCAGGTATCAGGACTATCTAACTGGATAGGGAGTAAATTATCTCCTCTAGGTTTATT
 ACCAGTTTGGCTAATAATTCTGATATCTTCTTGGATTGTCACATCTTTGACAGAGGTAGCCAGCAACCCA
 GCTACCATTACCATTCTGTTCCCAATATTATCTCCTTTGGCTGAAGCCATTCAAGTGAACCTCTTCAGA
 TTTTGTGCTCCACTCTGTACCTCATTGCAATTTCTTCTGCCAGTGCAAATCCACCAATGCTAT
 TGTTTTTCTATGGCCACCTGAAAGTCATTGACATGGTTAAAGCTGGACTTGGAGTGAATATTTGGGT
 GTTGCTGTGGTATGCTAGGCATGTTACCTGGATCGAGCCGATGTTAACCTCCACGAGATCCCTCCT
 GGGCTTCTAACTTGTTAATCAGACCATGCCATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_019481
- Insert Size:** 1785 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_019481.2](#), [NP_062354.2](#)

RefSeq Size: 2495 bp

RefSeq ORF: 1785 bp

Locus ID: 55961

UniProt ID: [Q9JHI4](#)

Cytogenetics: 6 11.22 cM

Gene Summary: Sodium/sulfate cotransporter that mediates sulfate reabsorption in the kidney.
[UniProtKB/Swiss-Prot Function]