

Product datasheet for **MC229260**

Slc12a3 (NM_001205311) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc12a3 (NM_001205311) Mouse Untagged Clone
Tag: Tag Free
Symbol: Slc12a3
Synonyms: AI035291; NCC; NCCT; TSC
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229260 representing NM_001205311
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGGCAGAGCTCCCCGTGACAGAGCTGCCTGGCGATGCTCTGTGCAGTGGGCGCTTCACCATCAGCACAC
 TGATGGGAGGCGATGAGCCCCACCAGCTGCCTGTGACAGCAGCCAGCCAGCCACTTAACACACGGCAG
 CACCTTATACATGCGCACCTTCGGTTACAACACCATAGACGTGGTGCCGGCTACGAACACTATGCTAAC
 AGCGCTCTGCCCGGTGAGCCCCGGAAGGTGCGGCCACCCTGGCTGACCTGCATTCAAGCAGG
 AAGGTAGCCACCTGCATGCCCTGGCCTTTGATGGACGGCAAGGTCGTGAGCTGACTGATGGACTTGTGGA
 AGATGAGACAGGCACCAACAGTGAGAAGAGCCCTGGAGAACCTGTTTCGCTTCGGCTGGGTCAAGGGGGTG
 ATGATCCGTTGCATGCTCAACATCTGGGAGTGATCCTCTACCTGCGACTCCCCTGGATTACGGCGCAGG
 CGGGCATCGTGCTGACTTGGCTCATCATCCTGCTGTGGTCATGGTGACATCCATCACGGCCCTCTCCAT
 CTCCGCCATCTCTACCAATGGCAAGGTCAAGTCGGGTGGCACCTATTTCCCTATTTCCCGGAGTCTGGGA
 CCAGAGCTGGGAGGCTCCATTGGCCTCATCTTCGCCTTTGCCAATGCTGTGGGTGTGGCCATGCACACTG
 TGGGCTTTGCAGAAACCCTAAGGGACTACTGCAGGAGTATGGCACCCATCGTAGACCCCAATGA
 CATCCGCATCATCGGTGGTGCAGGTCACTGTGCTGCTGGCCATCTCGCTGGCTGGGATGGAGTGGGAG
 TCCAAGGCCAGGTGCTATTCTTTCTTGTGTCATCATGGTCTCCTTTGCCAACTACCTGGTGGGCACACTGA
 TCCCAGCATCTGAAGACAAAGCCTCTAAAGGCTTCTACAGCTACCATGGGACATTTTTGTTTCAGAACCT
 GGTACCCGACTGGAGAGGCATTGATGGTAGCTTCTTTGGCATGTTCTCCATCTTCTTCCCTTCGGCCACT
 GGCATTCTGGCAGGGGCAACATCTCCGGGACCTCAAGGATCCTGCTGTAGCCATCCCCAAGGGAACAC
 TCATGGCCATTTCTGGACCACCATCTCCTACCTTGCCATCTCAGCTACCATCGGCTCCTGTGTGGTGAG
 AGATGCCTCTGGGATGTGAACGACACCATGACTCCTGGTCCAGGCCCTGCGAAGGGCTAGCCTGTGGC
 TATGGCTGGAACCTCACAGAATGCTCCCAGCAGCGCAGTTGCCGCTATGGCCTCATCACTACTACCAGA
 CCATGAGCATGGTGTCTGCCTTCGACCCCTGATCACAGCCGGCATCTTTGGCGCCACCCTGTCTTCTGC
 CTTGGCCTGTCTTGTCTCGGCTGCTAAGGTCTTCCAGTGCTGTGTGAAGACCAGCTGTACCCTCTGATT
 GGCTTTTTGGCAAAGGCTATGGCAAGAACAGGGAGCCTGTGCGTGGCTACCTGCTGGCCTATGCCATTG



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CTGTGGCCTTCATCATCATTGCTGAACCTAACACCATCGCCCCATCATTTCCAACCTTCTCCTCTGCTC
 CTACGCCCTCATCAATTCAGCTGCTTCCATGCCTCCATCACCAACTCACCTGGATGGAGACCCTCCTTC
 CGATACTACAGCAAGTGGGCGCGCTGTTTGGGGCAGTGATCTCGGTGGTCATCATGTTCTGCTTACCT
 GGTGGGCTGCTCTCATTGCCATCGGAGTCGTCTCTTCTCCTGCTCTATGTGATCTACAAGAAGCCAGA
 GGTGAACCTGGGGTTCTCAGTACAGGCTGGCTCCTACAATCTGGCCCTGAGCTACTCCGTGGGCCTCAAC
 GAGGTGGAAGACCACATCAAGAATACCGCCCCAGTGCCTGGTGCTTACAGGGCCCCCAACTTCCGCC
 CAGCCCTTGTGGACTTTGTGAGCACATTTACCCAGAACCTAAGCCTAATGATTTGTGGTCATGTGCTCAT
 TGGACCTGGCAAGCAGAGAGTGCCCGAGCTCCGGCTCATCGCCAGTGGACACACCAAGTGGCTGAACAAG
 AGGAAGATCAAGGCCTTCTACTCTGACGTCATCGCTGAGGACTTGCGCAGTGGCGTCCAGATTCTCATGC
 AGGCCTCAGGGCTTGGGAGAATGAAGCCGAACATTCTGGTGGTTGGATTCAAGAGGAACTGGCAGTCTGC
 CCACCCAGCCACAGTGGAGGACTACATTGGTGTCTGCTGATGATGCCTTTGACTTCAACTACGGGTTTGT
 GTCATGAGGATGCGCGAGGGGCTCAATGTCTCCGAGGCTCTGCAGACCCACACAACCCAGAGGCATTGA
 TACAAGAGGAGCAGGCTAGCACCATCTCCAGTCGGAGCAAGGCAAGAAGACCATTGACATCTACTGGCT
 GTTCGATGATGGAGTCTCACCTCCTCATCCCCTATCTCCTGCACCGCAAGAAGAGATGGGGCAAATGC
 AAGATCCGAGTGTGGTGGGGCCAGATCAACAGGATGGACGAAGAGAGAAAGGCGATCATCTCTGT
 TGAGCAAGTTCAGACTGGGATTCATGAAGTTCAGCTCCTTCCCGACATCAACCAGAAGCCAGGCCGA
 GCACACCAAGCGTTTGGAGACATGATTGCACCCTTCCGCCTCAATGATGGCTTCAAGGACGAGGCCACC
 GTCACTGAGATGAGGAGGACTGTCCCTGGAAGATCTCAGATGAAGAGATTAACAAGAACAGAATTAAGT
 CCCTTCGGCAGGTGAGACTGAGTGAAGTACTGCTGGATTACTCTCGGGATGCTGCTGATCATCCTTAC
 CCTGCCATTGGAAGGAAGGGGAAGTGCCTCAGTGTACATGGCCTGGCTGGAGACCCTGTCCCAG
 GACCTCAGACCTCCCGTCTCCTCATCCGAGGCAACCAGGAGAATGTGCTCACCTTTTACTGCCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001205311
- Insert Size:** 3009 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001205311.1](#), [NP_001192240.1](#)
- RefSeq Size:** 3300 bp

RefSeq ORF: 3009 bp

Locus ID: 20497

UniProt ID: [P59158](#)

Cytogenetics: 8 46.46 cM

Gene Summary: Electroneutral sodium and chloride ion cotransporter. In kidney distal convoluted tubules, key mediator of sodium and chloride reabsorption (By similarity). Receptor for the proinflammatory cytokine IL18. Contributes to IL18-induced cytokine production, including IFNG, IL6, IL18 and CCL2. May act either independently of IL18R1, or in a complex with IL18R1 (PubMed:26099046).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longer transcript and 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.