

Product datasheet for **MC223069**

Slc12a3 (NM_019415) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Slc12a3
Synonyms:	AI035291; NCC; NCCT; TSC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>MC223069 representing NM_019415
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGAGCTCCCGTGACAGAGCTGCCTGGCGATGCTCTGTGCAGTGGGCGCTTCACCATCAGCACAC
TGATGGGAGGCGATGAGCCCCACCAGCTGCCTGTGACAGCAGCCAGCCAGCCACTTAACACACGGCAG
CACCTTATACATGCGCACCTTCGGTTACAACACCATAGACGTGGTGCCGGCCTACGAACACTATGCTAAC
AGCGCTCTGCCCGGTGAGCCCCGAAGGTGCGGCCACCCTGGTGACCTGCATTATTCTCTCAAGGAAG
GTAGCCACCTGCATGCCCTGGCCTTTGATGGACGGCAAGGTCGTGAGCTGACTGATGGACTTGTGGAAGA
TGAGACAGGCAACACAGTGAAGAGCCCTGGAGAACCCTGTTTCGCTTCGGCTGGGTCAAGGGGGTGATG
ATCCGTGTCATGCTCAACATCTGGGGAGTGATCCTCTACCTGCGACTCCCTGGATTACGGCGCAGGCGG
GCATCGTGCTGACTTGGCTCATCATCTGCTGTCGGTCATGGTGACATCCATCACCGGCCTCTCCATCTC
CGCCATCTCTACCAATGGCAAGGTCAAGTCGGGTGGCACCTATTTCTTATTTCCGGAGTCTGGGACCA
GAGCTGGGAGGCTCCATTGGCCTCATCTTCGCCTTTGCCAATGCTGTGGGTGTGGCCATGCACACTGTGG
GCTTTGCAGAAACCGTAAGGGACCTACTGCAGGAGTATGGCACACCCTCGTAGACCCCATCAATGACAT
CCGCATCATCGGTGTGGTCACGGTCACTGTGCTGCTGGCCATCTCGCTGGCTGGGATGGAGTGGGAGTCC
AAGGCCAGGTGCTATTCTTTCTTGTATCATGGTCTCCTTTGCCAACTACCTGGTGGGCACACTGATCC
CAGCATCTGAAGACAAAGCCTCTAAAGGCTTCTACAGCTACCATGGGGACATTTTGTTCAGAACCTGGT
ACCCGACTGGAGAGGCATTGATGGTAGCTTCTTTGGCATGTTCTCCATCTTCTCCCTTCGGCCACTGGC
ATTCTGGCAGGGGCCAACATCTCCGGGACCTCAAGGATCCTGCTAGCCATCCCCAAGGGAACACTCA
TGGCCATTTCTGGACCACCATCTCCTACCTTGCCATCTCAGCTACCATCGGCTCCTGTGTGGTGAGAGA
TGCCCTCTGGGGATGTGAACGACACCATGACTCCTGGTCCAGGCCCTGCCAAGGGCTAGCCTGTGGCTAT
GGCTGGAACCTTACAGAATGCTCCAGCAGCGCAGTTGCCGCTATGGCCTCATCAACTACTACCAGACCA
TGAGCATGGTGTGCTGCTTCGACCCCTGATCAGACCGGCATCTTTGGCGCCACCCTGTCTTCTGCCTT
GGCCTGTCTGTCTCGGCTGCTAAGGTCTTCCAGTGCCTGTGTGAAGACCAGCTGTACCCTCTGATTGGC
TTTTTTGGCAAAGGCTATGGCAAGAACAGGGAGCCTGTGCGTGGCTACCTGCTGGCCTATGCCATTGCTG
TGGCCTTCATCATATTGCTGAACCTTAACACCATCGCCCCATCATTTCCAACCTTCTTCTCTGCTCCTA
CGCCCTCATCAATTTAGCTGCTTCCATGCCTCCATCACCACCTCACCTGGATGGAGACCCTCCTCCGA
TACTACAGCAAGTGGCGGCGCTGTTGGGCGAGTGATCTCGGTGGTCATCATGTTCTGCTTACCTGGT
GGGCTGCTCTCATTGCCATCGGAGTCGTCTCTTCTCTGCTCTATGTGATCTACAAGAAGCCAGAGGT
GAACTGGGGTTCTCAGTACAGGCTGGCTCCTACAATCTGGCCCTGAGCTACTCCGTGGGCCTCAACGAG
GTGGAAGACCACATCAAGAATACCGCCCCAGTGCTGGTGCTTACAGGGCCCCCAACTTCCGGCCAG
CCCTTGTGGACTTTGTGAGCACATTTACCCAGAACCTAAGCCTAATGATTTGTGGTCATGTGCTCATTGG
ACCTGGCAAGCAGAGAGTGCCCGAGCTCCGGCTCATCGCCAGTGGACACACCAAGTGCTGAACAAGAGG
AAGATCAAGGCCTTCTACTCTGACGTATCGCTGAGGACTTGCGCAGTGGCGTCCAGATTCTCATGCAGG
CCTCAGGGCTTGGGAGAATGAAGCCGAACATTCTGGTGGTTGGATTCAAGAGGAAGTGGCAGTCTGCCCA
CCCAGCCACAGTGGAGGACTACATTGGTGTCTGCATGATGCCTTTGACTTCAACTACGGGTTTGTGTC
ATGAGGATGCGCGAGGGGCTCAATGTCTCCGAGGCTCTGCAGACCCACACAACCCAGAGGCATTGATAC
AAGAGGAGCAGGCTAGCACCATCTTCCAGTCGGAGCAAGGCAAGAAGACCATTGACATCTACTGGCTGTT
CGATGATGGAGGTCTCACCTCCTCATCCCTATCTCCTGCACCGCAAGAAGAGATGGGGCAATGCAAG
ATCCGAGTGTGTTGTTGGGGCCAGATCAACAGGATGGACGAAGAGAGAAAGGCGATCATCTCTGTGTA
GCAAGTTCAGACTGGGATTCCATGAAGTTCAGTCCTTCCCGACATCAACCAGAAGCCCCAGGCCGAGCA
CACCAAGCGGTTTGGAGACATGATTGACCCCTTCGCCTCAATGATGGCTTCAAGGACGAGGCCACCGTC
ACTGAGATGAGGAGGACTGTCCCTGGAAGATCTCAGATGAAGAGATTACAAGAACAGAATTAAGTCCC
TTGGCAGGTGAGACTGAGTGAGATACTGCTGGATTACTCTCGGGATGCTGCTGATCATCTTACCCT
GCCCATTGGAAGGAAGGGGAAGTGCCCCAGTTCGCTGTACATGGCCTGGCTGGAGACCCTGTCCCAGGAC
CTCAGACCTCCCGTCTCTCATCCGAGGCAACCAGGAGAATGTGCTCACCTTTTACTGCCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_019415

Insert Size:	3006 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_019415.2</u> , <u>NP_062288.2</u>
RefSeq Size:	3297 bp
RefSeq ORF:	3006 bp
Locus ID:	20497
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 (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1.