

Product datasheet for **RN205163**

Slc12a3 (NM_019345) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc12a3 (NM_019345) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc12a3
Synonyms:	NCC; TSC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN205163 representing NM_019345 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCAGAGCTACCCGTGACAGAGATGCCAGGCGATGCTCTGTGCAGTGGGCGCTTCACCATCAGCACGC
TGCTGGGGGGTGACGAGCCCCACCAGCTGCCTGTGACAATAGCCAGCCAGCCATTTGACCCATGGCAG
CACCTTGACCTACGCACCTTTGGTTACAACACTATAGATGTGGTACCCGCTACGAACACTACGCTAAC
AGCGCTCTGCCGGCGAGCCCCGAAGGTGCGGCCACCCTGGCTGACCTGCACTCGTTCCTCAAGCAGG
AAGGTAGCCACCTGCATGCCCTGGCCTTTGATGGACGGCCAGGCCATGAGCTGACTGATGGACTTGTGGA
AGACGAGACAGGCGCAACAGCGAGAAGAGCCCTGGAGAACCTGTGCGTTTCGGCTGGGTCAAGGGAGTG
ATGATCCGATGCATGCTCAACATATGGGGTGTGATCCTCTATCTGCGGCTGCCCTGGATTACGGCGCAGG
CGGGCATTGTCTGACCTGGCTCATCCTGCTGTGAGTGTGACATCTATCACCGGCCTCTCTAT
CTCGGCCATCTCCACCAATGGCAAGGTCAAGTCGGGTGGTACCTATTTCTAATTTCTCGGAGTCTGGGA
CCTGAGCTGGGGGGTCCATTGGCCTCATCTTCGCTTTGCCAATGCCGTGGGTGTGGCCATGCACACTG
TGGGCTTTCAGAGACCGTACGAGACCTACTTCAGGAGAACGGCACACCCATTGTAGACCCCATCAATGA
CATCCGCATCATCGGTGTGGTCACGGTCACTGTGCTGTGGCCATCTCGCTGGCTGGGATGGAGTGGGAG
TCCAAGGCCAGGTGCTGTTCTTTCTTGTATCATGGTCTCTTTTGCCAACTACCTGGTGGGCAGCGTGA
TCCCAGCATCTAAGGACAAAGCCTCCAAAGGTTTCTACAGTACCATGGGGACATTTTGTTCAGAACCT
GGTACCCGACTGGAGAGGCATCGATGGTAGCTTCTTCGGGATGTTCTCCATCTTCTTCCCTTCAGCCACA
GGCATTCTGGCAGGGGCCAATCTCTGGGGACCTCAAGGACCCTGCTGTGCTATTCCCAAGGGAACAC
TCATGGCCATTTCTGGACCACCATTTCTACCTTGCCATCTCGGCCACCATCGGGTCTGTGTGGTGAG
GGATGCCTCTGGGGACGTGAACGACACCGTAACCTCTGGCCAGGCCTCTGTGAAGGGCTAGCCTGCGGT
TATGGCTGGAATTCACGGAATGCTCCAGCAGCAGCTGCCGCTATGGCCTCATCACTACTACCAGA
CCATGAGCATGGTGTCTGCCTTCGACCCCTGATCACAGCCGGCATCTTTGGGGCCACCCTGTCTCGGC
CTTGGCCTGTCTGTCTCAGCTGCCAAGGTCTTCAGTGCCTGTGCGAAGACCAGCTGTACCCTCTGATT



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GGCTTCTTTGGCAAGGGCTATGGGAAGAACAAGGAACCTGTGCGTGGCTACTTGCTGGCCTACGCCATCG
CGGTGGCCTTCATCATCATTGCTGAGCTCAACACCATCGCTCCCATTCTTAACCTTCTCCTCTGCTC
CTACGCCCTCATCAACTTCAGCTGCTTCCATGCCTCCATCACCACCTCACCTGGATGGAGACCCTCCTTC
CGATACTACAGCAAGTGGGCGCGCTGTTTGGGCGAGTGATCTCCGTGGTCATCATGTTCTGCTTACCT
GGTGGGCGAGCTCTCATTGCCATTGGAGTCGTTCTTCTCCTGCTCTATGTGATCTACAAGAAGCCAGA
GGTAACTGGGGCTCCTCAGTGCAGGCTGGCTCCTACAACCTGGCCCTGAGCTACTCCGTGGGCTCAAT
GAGGTGGAAGACCACATCAAGAATAATCGCCCCAGTGCCTGGTGCTTACAGGACCCCCAACTTCCGCC
CAGCTCTTGTGGACTTTGTGAGCACGTTTACCCAGAACCCTAAGCCTGATGATCTGTGGCCACGTGCTCAT
TGACCCCGGCAACAGAGAGTGCCTGAGCTCCGACTCATCGCCAGCGGACACACCAAGTGCTGAACAAG
AGGAAGATCAAGGCCTTCTACTCTGACGTGATGCTGAGGACTTGCGCAGTGGCGTCCAGATTCTCATGC
AGGCCTCGGGTCTGGGAAGAATGAAACCTAACATTCTGGTGGTTGGCTTCAAGAAGAACTGGCAGTCTGC
CCACCCAGCCACACTGGAGGACTACATTGGCATCCTGCACGATGCCTTTGACTTCAACTACGGGGTGTGC
ATCATGAGGATGCGTGGGGCTCAATGTCTCTGAGGCGCTGCAGACGCACAGCCCCAGAGGCACTGG
TACAGGAGGAGCAGACCAGCACCATTCTCAGTCGGAGCAAGGCAAGAAGACCATTGACATCTACTGGCT
GTTTGACGATGGAGGCTCACCCTCCTCATCCCTTATCTCTGCACCGCAAGAAGAGATGGGGCAATGC
AAGATCCGCGTGTTCGTTGGGGGCCAGATCAACAGGATGGATGAAGAGAGAAAGGCGATCAATTTCTCTGT
TGAGCAAGTTGAGCTGGGATTCCATGAAGTCCACGTCCTTCTGACATCAACCAGAAGCCCCAGGTGGA
GCACACCAAGCGGTTTGGAGACATGATTGCCCCCTTCCGTCTCAATGACGGCTTCAAGGACGAGGCCACT
GTTGCCGAGATGAGGAGGACTATCCCTGGAAGATCTCAGACGAGGAGATTAATAAGAACAGAATTAAGT
CCCTTCGGCAGGTGAGGCTGAATGAGATTCTCTGGATTACTCCCGGGATGCTGCTCTGATCATCCTTAC
CTTGCCCATTTGGAAGGAAGGGGAAGTGCCCCAGTTCACGTGACATGGCCTGGCTGGAGACCCTGTCCAG
GACCTCAGTCTCCCGTTCTCTCATCCGAGGTAACCAGGAGAACGTGCTCACCTTTTACTGCCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_019345
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).
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:	<u>NM_019345.3, NP_062218.3</u>
RefSeq Size:	4382 bp
RefSeq ORF:	3009 bp

Locus ID: 54300

UniProt ID: [P55018](#)

Cytogenetics: 19p13-p12

Gene Summary: mediates thiazide-sensitive cotransport of sodium and chloride; may play a role in the metabolism of NaCl and other electrolytes [RGD, Feb 2006]