

Product datasheet for **RN215594**

Slc6a18 (NM_017163) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc6a18 (NM_017163) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc6a18
Synonyms:	Rosit; Xtrp2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN215594 representing NM_017163
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCAGGCCTCAGGGATGGACCCACTTGTGGACATCGAGGACGAGAGACCCAAATGGGACAACAAC
 TTCAGTACCTCCTGAGCTGCATCGGCTTTGCTGTGGGGCTGGGGAACATATGGCGGTTCCCTACCTGTG
 CCATACCACGGGGGAGGGCCCTTCTCATCCCTACTTCATCGCCCTGGTCTTTGAGGGGATCCCGCTT
 TTCTACATTGAGCTTGCCATTGGCCAGCGCCTACGGAGGGGAAGCATTGGCGTATGGAAGACCATCTCCC
 CCTACCTTGGTGGAGTAGGCCTGGGCTGCTTCTCAGTGCCTTCTGGTCAGCCTGTACTACAACACCAT
 TCTCTGTGGGCTCTGTGGTCTTCTCAACTCCTTCCAACCCCACTGCCCTGGAGCACATGCCATTG
 GATCTCAACAGAACAGGATTTGTGCAGGAATGCCAGAGCAGTGGCACCGTGGAGTACTTCTGGTACCGGC
 AGACTTTGAATATTACGCTGACATCAGCAACACAGGCACTATCCAGTGAAGCTGTTTCTGCTGGT
 GGCTGCTGGACAACGTGTACCTGTGTGTCATCAGAGGCATTGAGAGCACGGGGAAGGTGATCTACTTT
 ACAGCCCTATTTCTTACCTGGTCTAACCATCTTCTCATCAGAGGTCTGACTTGCCCGAGGACACAG
 AGGGCCTAACTTACCTGTTTACTCCCAATATGAAGATTCTTCAGAATTCACGGGTGTGGTTGGACGAGC
 CACCCAGATTTTCTTCTCCCTGTCCCTGGCCTTCGGAGGGCATATTGCTTTGCAAGTTACAATCAACCC
 AGGAACAATTGTGAGAAGGACGCGGTGACTATTGCCCTGGTCAACAGCATGACCTCCCTGTATGCATCCA
 TCACCATCTTTCCATCATGGGGTTCAAGGCATCCAATGACTATGGGAGGTGCCTGGACAGAAATATTTT
 GAGCCTCATCAATGAGTTCGACTTTCCAGAGCTTAGCATCTCCAGGGATGAGTACCCATCTGTCCATG
 TACCTGAATGCCACTCAGCCTGAGAGGGTGGCCCGACTTCCCTGAAGACCTGCCATCTGGAAGATTTCC
 TGGATAAGAGTGCCTCGGGCCCGGGCCTGGCCTTCATCGTTTTTACAGAAGCTGTCTTGACATGCCCGG
 AGCTTCTGTGTGGTCTGTGCTCTTCTTTGGGATGCTGTTACACTGGGCCTGTCGTCATGTTTGGGAAC
 ATGGAGGGTGTATCACACCACTATTTGACATGGGGATCTTACCCAAAGGTGTACCCAAGGAGACCATGA
 CCGGGGTGGTCTGCTTTATCTGTTTCTCTCAGCCATTTGCTTACACTGCAGTCTGGAAGCTACTGGCT
 GGAGATCTTTGACAGTTTGCAGCTTCTCTGAATCTGATCATCTTCGCTTTCATGGAGGTGGTGGCGTC
 ATTCACGTTTATGGGATCAAGCGGTTCTGTGATGACATTGAGTGGATGACTGGGCGGCGGCCAGCCTGT
 ACTGGCAGGTGACATGGAGGGTGGTGGCCCTATGCTGCTGTTTGGCATCTTCTGTCCTACATTGCTCT
 TCTGGCTCAGTCATACCCAGCTACAAGGCCTGGAACCCCAATATGAACATTTTCCCTCAAGAGAGGAG
 AAGCTCTATCCAGGCTGGGTACAGGTTACCTGTGTGCTCTGCTTCTGCCCTACTGTGGTCCCTG
 GAATTGCTCTGGCTCAGCTACTGTTCCAGTACAGACAGAGGTGGAAGAACACACATCTGGAAGTGTCT
 GAAGCCACAGGAGCAGAGGCTG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_017163

Insert Size: 1848 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_017163.1](#), [NP_058859.1](#)

RefSeq Size: 2336 bp

RefSeq ORF: 1848 bp

Locus ID: 29323

UniProt ID: [Q62687](#)

Cytogenetics: 1p11

Gene Summary: may act as a Na(+)- and Cl(-)- dependent organic solute cotransporter in the kidney; may play a role in response to hypertonic stress [RGD, Feb 2006]