

Product datasheet for **RR215594**

Slc6a18 (NM_017163) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RR215594 representing NM_017163
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTCAGGCCTCAGGGATGGACCACTTGTGGACATCGAGGACGAGAGACCAATGGGACAACAAC
 TTCAGTACCTCCTGAGCTGCATCGCTTTGCTGTGGGGCTGGGGAACATATGGCGTTCCCTACCTGTG
 CCATACCCACGGGGAGGGCCCTTCTCATCCCCTACTTCATCGCCCTGGTCTTTGAGGGGATCCCGCTT
 TTCTACATTGAGCTTGCCATTGGCCAGCGCCTACGGAGGGGAAGCATTGGCGTATGGAAGACCATCTCCC
 CCTACCTTGGTGGAGTAGGCCTGGGCTGCTTCTCAGTGTCTTCTGGTCAGCCTGTACTACAACACCAT
 TCTCTGTGGTCTGTGGTTCTTCTCAACTCCTTCCAACCCCACTGCCCTGGAGCACATGCCATTG
 GATCTCAACAGAACAGGATTTGTGCAGGAATGCCAGAGCAGTGGCACCGTGGAGTACTTCTGGTACCGGC
 AGACTTTGAATATTACGCTGACATCAGCAACACAGGCACTATCCAGTGAAGCTGTTTCTGCTGGT
 GGCTGTGGACAACGTGTACCTGTGTGTCATCAGAGGCATTGAGAGCACGGGGAAGGTGATCTACTTT
 ACAGCCCTATTTCTTACCTGGTCTAACCATCTTCTCATCAGAGGTCTGACTCTGCCCGAGCAACAG
 AGGGCCTAACTTACCTGTTTACTCCCAATATGAAGATTCTTACAGAATTCACGGGTGTGGTTGGACGAGC
 CACCCAGATTTTCTTCTCCCTGTCCCTGGCCTTCGGAGGGCATATTGCTTTGCAAGTTACAATCAACCC
 AGGAACAATTGTGAGAAGGACCGGTGACTATTGCCCTGGTCAACAGCATGACCTCCCTGTATGCATCCA
 TCACCATCTTTCCATCATGGGGTTCAAGGCATCCAATGACTATGGGAGGTGCCTGGACAGAAATATTTT
 GAGCCTCATCAATGAGTTCGACTTTCCAGAGCTTAGCATCTCCAGGGATGAGTACCCATCTGTCTCATG
 TACCTGAATGCCACTCAGCCTGAGAGGGTGGCCGACTTCCCCTGAAGACCTGCCATCTGGAAGATTTCC
 TGGATAAGAGTGCCTCGGGCCCGGGCTTGCCTTCATCGTTTTTACAGAAGCTGTCTTGCACATGCCCGG
 AGCTTCTGTGTGGTCTGTGCTCTTCTTTGGGATGCTGTTACACTGGCCCTGTCGTCATGTTTGGGAAC
 ATGGAGGGTGTATCACACCACTATTTGACATGGGGATCTTACCCAAAGGTGTACCCAAGGAGACCATGA
 CCGGGGTGGTCTGCTTTATCTGTTTCTCTCAGCCATTTGCTTACACTGCAGTCTGGAAGCTACTGGCT
 GGAGATCTTTGACAGTTTGCAGCTTCTCTGAATCTGATCATCTTCGCTTTCATGGAGGTGGTGGCGTC
 ATTCACGTTTATGGGATCAAGCGGTTCTGTGATGACATTGAGTGGATGACTGGGCGGCGCCAGCCTGT
 ACTGGCAGGTGACATGGAGGGTGGTGGCCCTATGCTGCTGTTTGGCATCTTCTGTCCTACATTGCTCT
 TCTGGCTCAGTCATACCCAGCTACAAGGCCTGGAACCCCAATATGAACATTTTCCCTCAAGAGAGGAG
 AAGCTCTATCCAGGCTGGGTACAGGTTACCTGTGTGCTCTGCTTCTTCCCTCACTGTGGTCCCTG
 GAATTGCTCTGGCTCAGCTACTGTTCCAGTACAGACAGAGGTGGAAGAACACACATCTGGAAGTGTCT
 GAAGCCACAGGAGAGCAGAGGCTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

Protein Sequence:

>RR215594 representing NM_017163
 Red=Cloning site Green=Tags(s)

MAQASGMDPLVDIEDERPKWDNKLQYLLSCIGFAVGLGNIWRFPYLCHTHGGGAFLIPYFIALVFEGIPL
 FYIELAIGQRLRRGSIGVWKTISPYLGGVGLGCFSVSFLVSLYYNTILLWVWFFLNSFQHPLPWSTCPL
 DLNRTGFVQECQSSGTVSYFWYRQTLNITSDISNTGTIQWKLFLCLVACWTTVYLCVIRGIESTGKVIYF
 TALFPYLVLTIFLIRGLTLPGATEGLTYLFTPNMKILQNSRVWLDAATQIFFSLAFLGGHIAFASYNQP
 RNNCEKDAVTIALVNSMSTLYASITIFSIMGFKASNDYGRCLDRNILSLINEFDFPELSISRDEYPSVLM
 YLNATQPERVARLPLKTHLEDFLDKSASGPGLAFIVFTEAVLHMPGASVWSVLFVGFMLFTLGLSSMFGN
 MEGVITPLFDMGILPKGVPKETMTGVVFCIFLSAICFTLQSGSYWLEIFDSFAASLNLIIFAFMEVVG
 IHVYGIKRFCDDEIEMTGRPSLYWQVTRVSPMLLFGIFLSYIVLLAQSSPSYKAWNPQYEHFSPSREE
 KLYPGWVQVTCVLLSFLPSLWVPGIALAQLLFQYRQRWKNTHLESALKPQESRGC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_017163

ORF Size: 1845 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

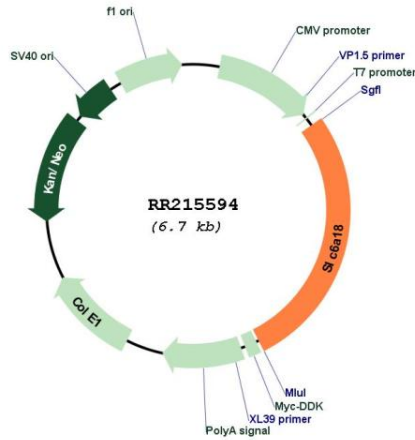
RefSeq ORF: 1848 bp

Locus ID: 29323

UniProt ID: [Q62687](#)

Cytogenetics: 1p11
MW: 69.6 kDa
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]

Product images:



Circular map for RR215594