

## Product datasheet for **RN209604**

### **Slc22a3 (NM\_019230) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Slc22a3 (NM_019230) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc22a3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >RN209604 representing NM\_019230  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGCCACGTTTCGACCAGGCGCTGAGGAAGGCGGCGAGTTCGGGCGCTCCAGCGGCGCGTGTTCCTGC  
TGCTGTGCTGACGGGTGCACCTTCGCCCTCCTTCGTTGGTGTGGTCTTCCTGGGCAGCCAGCCCGA  
CTACTATTGGTGTGCGGGCCCCGCGCCACCGCGCTGGCCGAGCGCTGCGCCTGGAGCCCTGAGGAGGAG  
TGGAACTCACCACGCCGGAGCTTCACGTCCCAGCTGAGCGCCGTGGCCAAGGCCACTGTACCAGCTACC  
TGCTGGAAGACACCAATACCAGCTCAGAGCTCAGCTGCGACCCACTCGCTGCCTTCCCCAACCGCTCCGC  
TCCTCTGGTGCCTGCAGCGGCGACTGGCGCTATGTGGAGACCCACTCCACCATCGTCAGCCAGTTTGAC  
CTTGTCTGCGGCAACGCCTGGATGTTGGACCTCACCAAGCCATCTTGAACTTGGCTTCTGGCTGGGG  
CTTTTACCTTGGCTATGCAGCGGACAGATACGGCAGGCTCATCGTTTACTTAATATCCTGTTTCGGCGT  
TGGCATCACGGGAGTTGGTGGCGTTTGACCGAATTTTCTGTGTTTGTGATCTCCGCTTCTGCA  
GGGGTGTGGAAAGGGGCGCTGGATGACTTGTGTTGTGATTGTGACAGAAATAGTTGGTTCGAAACAGA  
GGAGGATTGTGGGAATAGTGATCCAGATGTTCTTACCCTCGGAATCATATTCTGCCCGGAATTGCCTA  
CTTACCCCCAGCTGGCAGGGCATCCAGCTAGCCATATCGCTGCCTAGCTTTCTTCTCTCTTTATTAC  
TGGGTGGTCCCTGAGTCTCCCCGCTGGCTGATCACCCGGAAGCAGGGAGAGAAAGCCTTGCAGATCCTGA  
GGCGTGTGGCTAAGTGAATGGGAAACCTCTCGTCAAATTACTCAGAGATCACAGTTACAGATGAAGA  
GGTCAGTAACCCATCCTGTTTAGACCTTGTGAGGACTCCCCAAATGAGGAAGTGCACACTATTCTCATG  
TTTGCTTGGTTTACAAGTGCCGTTGGTGTATCAAGGACTTGTATGCGCCTGGGACTCATCGGAGGCAACC  
TCTACATGGACTTCTTTATCTCGGGCTCGTGGAGCTGCCCGGAGCTCTTTGATCCTTCTGACCATTGA  
GCGCCTTGGACGACGCCTTCCCTTTGCCGCAAGCAATATAGTGGCAGGGGTGTCGTGTCTGGTCACTGCC  
TTTTTACCAGAAGGGATACCGTGGCTGAGGACCACAGTCGCTACCTTGGGAAGACTAGGAATAACCATGG  
CCTTTGAAATTGTTTATTGGTAAATTCAGAGTTGTACCCAACGACATTACGGAACCTTGGGGTTTCACT  
CTGCTCAGGCCTGTGACTTTGGGGGATCATAGCCCCATTTCTGCTTTTCGACTAGCAGCCATATGG  
CTAGAAGTGCCTCTGATCATCTTGGGATCCTGGCATCTGTCTGTGGTGGCCTTGTGATGCTTTGCCTG  
AAACTAAGGGCATCGCCTTGCCGAGACGGTGAAGATGTGAAAAGCTTGGCAGTTCACAGTTGCACCA  
GTGTGGCAGAAAAAGAAAACCCAGTTTCTACTTCTAATGTC TGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: [https://cdn.origene.com/chromatograms/ja2501\\_d10.zip](https://cdn.origene.com/chromatograms/ja2501_d10.zip)

Restriction Sites: Sgfl-Mlul

ACCN: NM\_019230

Insert Size: 1656 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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\\_019230.1](#), [NP\\_062103.1](#)

**RefSeq Size:** 3502 bp

**RefSeq ORF:** 1656 bp

**Locus ID:** 29504

**UniProt ID:** [O88446](#)

**Cytogenetics:** 1q11

**Gene Summary:** transports a wide range of organic cations including tetraethylammonium, guanidine, and the neurotoxin 1-methyl-4-phenylpyridinium [RGD, Feb 2006]