

Product datasheet for **RN211439**

Slc22a6 (NM_017224) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc22a6 (NM_017224) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc22a6
Synonyms:	Oat1; Orctl1; Paht; Roat1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN211439 representing NM_017224
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCTTCAATGACCTCCTGAAACAGGTGGGGGCGTCGGACGCTTCCAGTTGATCCAGGTCACCATGG
 TGGTTGCTCCCCTACTGCTGATGGCTTCCACAACACCTTGCAGAACTTCACTGCCGCTATCCCCCTCA
 TCACTGCCGCCACCTGCCAATGCCAATCTCAGCAAAGATGGAGGTCTGGAGCCTGGCTGCCCTGGAC
 AAGCAAGGACAACCCGAATCTTGCTCCGCTTTACTTCCCCCAGTGGGACCACCTTTTACAATGGCA
 CAGAAGCCAATGGCACCAGAGTACAGAGCCCTGCATTGATGGCTGGGTCTATGACAACAGCACCTTCCC
 TTCAACCATCGTGACTGAGTGAACCTTGTGTCTCTCATCGGGCTTCCGCCAGCTGGCCAGTCCCTG
 TACATGGTGGGAGTGTCTGGGAGCCATGGTGTGGTACCTGGCGGACAGGCTGGGCCCGCGGAAGG
 TGCTGATCTTGAACACCTGCAGACAGCTGTGTGGGAACCTGTGCAGCCTATGCACCCAATACTGT
 CTACTGCGTTTTCCGGCTCCTCTCGGGCATGTCTTTGGCTAGCATTGCAATCAACTGCATGACACTAAAT
 GTGGAATGGATGCCTATCCACACCCGTGCCTATGTGGGCACCTTGATTGGCTATGTCTACAGCCTGGCC
 AGTTCCCTCCTGGCTGGCATCGCCTATGCTGTGCCCACTGGCGCCACCTGCAGCTTGTGGTCTCTGTGCC
 TTTTTTCATTGCCTTCATCTACTCTTGGTTCTTCAATTGAGTCAGCCCGCTGGTACTCCTCCTCAGGAAGG
 CTGGACCTCACCTCCGAGCCCTGCAGAGAGTGGCCCGGATCAATGGGAAACAAGAAGAAGGGGCTAAGC
 TAAGTATAGAGGTGCTCCGGACCAGCCTGCAGAAGGAAGTACTAAGCAAAGGCCAAGCCTCAGCCAT
 GGAGCTGCTGCGTGGCCACCTTCGACACCTTCTCTGTCTCTCCATGCTGTGGTTTGCCACTAGC
 TTTGCCTACTACGGGCTGGTCAATGGACCTGCAGGGCTTTGGGGTCAAGTGTACCTATCCAGGTGATTT
 TCGGTGCCGTGGACCTGCCTGCCAAGTTGTATGCTTCTAGTCATCAACTCCATGGGGCGCCGGCCTGC
 ACAGATGGCCTCCCTGCTGCTGGCAGGCATCTGCATCCTGGTGAATGGCATAATACCGAAGAGCCATACG
 ATCATTGCACCTCCCTGGCTGTGCTAGGGAAGGGCTGCCTGGCTTCTCTTTCAACTGCATCTTCTGT
 ACACCGGAGAGCTGTACCCACAGTGATTGGCAGACAGGCTGGGCATGGGCAGCACCATGGCCCGGGT
 GGGCAGCATTGTGAGCCCGCTGGTGTGATGACTGCAGAGTTCTACCCCTCCATGCCTCTTTCATCTTC
 GGCCTGTCCCTGTGGTGCAGTGTCTACTGCCCTGCTGCCAGAGACCTTGGGCCAGCCGCTGCCAG
 ATACAGTGCAGGACCTGAAGAGCAGGAGCAGAGAAAGCAGAATCAACAGCAGCAGGAACAGCAGAAGCA
 GATGATGCCGCTCCAGGCCTCAACACAAGAGAAGAATGGACTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_017224
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 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_017224.2](#), [NP_058920.1](#)

RefSeq Size: 2025 bp

RefSeq ORF: 1656 bp

Locus ID: 29509

UniProt ID: [O35956](#)

Cytogenetics: 1q43

Gene Summary: multispecific organic anion transporter; involved in anion transport in a proximal tubule in the kidney [RGD, Feb 2006]