

Product datasheet for **RN200356**

Slc14a2 (NM_019347) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc14a2 (NM_019347) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slc14a2
Synonyms:	Slc14a2T; Slc14a2_v4; testSymbol; UrT1-C; UrT1-D
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN200356 representing NM_019347
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCGACCATCCCCTGAAGGAGATGTCTGACAACAACCGCAGCCCCCTTTGCCAGAGCCTTTTCCA
 GCAGATACAAGTTGTATGAGTCAGAGCTAAGCAGCCCTACCTGGCCTTCAAGCTCCCAGGATACACACCC
 AGCCCTTCCCCTGCTGGAATGCCTGAAGAAAAGGATCTCCGATCATCGGATGAAGACAGCCACATAGTG
 AAGATTGAAAAGCCCAACGAGCGGAGTAAACGGAGAGAAAAGCGAGTTGCCCGCAGGGCTTCTGCAGGCC
 GGGGAGGCTTTCAGCCTTCCAAGCTGTGAGCTACCTCACTGGTGACATGAAGGAATGCAAGAACTGGCT
 GAAAGATAAGCCCTGGTCTTCACTTCTAGACTGGGTCTGCGGGGAGCAGCTCAGGTGATGTTTGTG
 AACACCCCTTAGTGGGCTCATCATCTTCATAGGGCTCTGATCCAGAATCCCTGGTGGACGATTGCTG
 GGGCAGTGGGACAGTGGTCTAACCTTGGCTGCCCTTGCCTTGAGCCAGGACAGGTGAGCCATCGCCTC
 TGGACTCCATGGGTACAACGGGATGCTGGTGGGACTCCTGGTGGTGTCTTCTCAGAGAAGTTAGACTAC
 TACTGGTGGCTTCTGTTTCTGTGACCTTCGCATCCATGGCCTGCCAGTTATTTCTAGTGCCTTGAGCA
 CCGTCTTCGCAAGTGGGACCTGCCAGTCTTACACTGCCCTTCAACATCGCCTTAACACTGTACCTGGC
 AGCTACGGGCCACTACAACCTTTTCTTCCCACGACGCTTGTGAAGCCTGCGTCTTACAGCGCCAACATC
 ACCTGGTCAGAGATTGAGATGCCTTGTGCTTACAACCATCCCCGTTGGGGTGGCCAGGTCTACGGCT
 GTGACAACCCCTGGACAGGCGCGGTGATCCTGGTGGCTCTGTTTATCTCCTCTCCCCTCATCTGTTTGA
 CGCAGCCATAGGATCCATTGTGGGGTCTGCTGGCAGCACTGACGGTGGCCACTCCCTTCGAGACGATCTAC
 ACGGGCCTTGGAGCTACAACCTGTCTCTCCTGTGTGCCATTGGAGGCATGTTCTACGTACTACCT
 GGCAGCACACCTGTTGGCACTGTCTGTGCCCTGTTCTGTGCGTACACGGGAGCGGCCCTCCAATAT
 GATGGCAGTGGTTGGTGTGCCACCGGGCACCTGGGCTTCTGTCTCTCACCCCTCACCTTCTTCTCCTC
 ACAAGCAACAACCTGGCATCCACAAGCTCCCCTCAGCAAAGTACCTACCCAGAGGCCAACCGCATCT
 ACTTCTGACAGCGAAACGCAGTGACGAGCAGAAGCCCCCAATGGTGGCGGTGGAGAACAGTCACACGG
 AGGAGGCCAGCGGAAGGCAGAGGAGGGCTCCGAGACCGTGTTCACAGCGTAAGAGCGTGTTCATATC
 GAGTGGTCATCCATCCGGAGGAGGAGCAAAGTGTGGAAAAAGTGAACACCAAGAGAGACAAACAAAG
 AGCCACTCCCCTACCTGTATCGGAAGCCACAGTGAACCTTGGACCTGAACACCATGGAGGAGAGCTC
 TGAGATAAAGGTAGAAACCAACAACACAGGACTACCTGGATCCAGAGCTCCATGATCGTGGGGGAAG
 AGAGTCAGCAAAGCCCTCAGCTACATCACAGGAGAGATGAAGGAGTGGCGGAGGGACTTAAAGACAAT
 CTCAGTGTTCAGTTCCTGACTGGGTGCTCCGAGGCAGTCTCAGGTGATGTTTGTGAACAACCTCT
 CAGTGGCATCCTCATCGTCTTGGCCTTCTCGTGCAAGTCCCTGGTGGGCCATCTCCGGTGTCTGGGC
 ACCATCATGTCCACCTTGACTGCCCTCATCCTGAGCCAGGACAAGTCGGCCATTGACGACGAGACTCCATG
 GCTACAATGGGGTGTCTTGGGGCTCCTGATGGCCGTGTCTCAGACAAGGGCAATTACTACTGGTGGCT
 GCTGCTCCCGTTCATCGTATGTCATGACTTGGCCATCCTCTCCAGTGTCTGAGCACCGTCTCAGC
 AAATGGGACCTCCAGTCTTCACTGCCCTTCAACATCGCCGTGACCTGTACCTGGCAGCCACGGGCC
 ACTACAATCTCTTCTTCCCACGAAGCTGCTGCAGCCTGCAGTTACCACACCAACATCACCTGGTCAGA
 TGTCCAAGTGCCTTGTCTGAGAGCCATCCCCGTTGGAATCGGCCAAGTGTATGGCTGTGACAATCCC
 TGGACTGGAGGCATCTTCTCGTTGCTGTCTGTTTCTTACCTCTCATCTGCTTGCACGCTGCCATCG
 GATCCACGATAGGGATGTTAGCAGCACTCAGCATTGCCACACCATTTGACTCCATCTACTTTGGCCTGTG
 TGGCTTCAATAGCACTCTGGCCTGTATCGCTATTGGTGGCATGTTCTACGTATCACCTGGCAGACGCAC
 CTGCTCGCATTGCTGTGCCCTGTTTGCAGCCTACCTGGGTGCTGCCCTGGCCAACATGCTGTCTGTGT
 TTGGATTACCACCCTGCACCTGGCCCTTCTGCCTCTCAGCGCTCACCTTCTCCTCTCACAAACAA
 CCCTGGCATCTACAAGCTCCGCTCAGCAAAGTACCTACCCAGAGGCCAACCGCATCTACTTCTGTCC
 CAGGAGAAAAACAGAAGGCATCGATGATAACAAAGTACCAGGCCTACGACGTCTCC**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_019347
Insert Size:	2790 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:	<ol style="list-style-type: none">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_019347.2 , NP_062220.2
RefSeq Size:	3983 bp
RefSeq ORF:	2790 bp
Locus ID:	54302
UniProt ID:	Q62668
Cytogenetics:	18q12.3
Gene Summary:	acts as an cAMP inducible urea transporter; may play a role in vasopressin regulated renal water absorption [RGD, Feb 2006] Transcript Variant: This variant (1), also known as UT1, UT-A1, or VRUT, represents the longest transcript and encodes the longest isoform (1).