

Product datasheet for **RN200354**

Slc14a2 (NM_001110270) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc14a2 (NM_001110270) 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
Fully Sequenced ORF: >RN200354 representing NM_001110270
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGAGAGCTCTGAGATAAAGGTAGAAACCAACACAACCAGGACTACCTGGATCCAGAGCTCCATGA
 TCGCTGGGGGAAGAGAGTCAAGCAAGCCCTCAGCTACATCACAGGAGAGATGAAGGAGTCCGGCGAGGG
 ACTTAAAGACAAATCTCCAGTGTCCAGTTTCTTGACTGGGTGCTCCGAGGCACGCTCTCAGTGATGTTT
 GTGAACAACCCTCTCAGTGGCATCCTCATCGTTCTTGGCCTCTTCGTGCAGAATCCCTGGTGGGCCATCT
 CCGTTGCTTGGGCACCATCATGTCCACCTTGACTGCCCTCATCTGAGCCAGGACAAGTCGGCCATTGC
 AGCAGGACTCCATGGCTACAATGGGGTGTGTGGGGCTCCTGATGGCCGTGTTCTCAGACAAGGGCAAT
 TACTACTGGTGGCTGCTGCCCGTCACTGTCATGTCCATGACTTGCCCATCTCTCCAGTGTCTGA
 GCACCGTCTTCAGCAATGGGACCTCCAGTCTTCACTGCCCTTCAACATCGCCGTGACCCTGTACCT
 GGCAGCCACGGGCCACTACAATCTTCTTCCCCACGAAGCTGCTGCAGCCTGCAGTTACCACACCCAAC
 ATCACCTGGTCAAGTGTCCAAGTGCCTTGTCTGAGAGCCATCCCCGTTGGAATCGGCCAAGTGTATG
 GCTGTGACAATCCCTGGACTGGAGGCATCTTCTCGTTGCTGTGTCGCTCTTCACTCATCTGCTT
 GCACGCTGCCATCGGATCCAGTACGATAGGGATGTTAGCAGCACTCAGCATTGCCACACCATTTGACTCCATC
 TACTTTGGCCTGTGTGGCTTCAATAGCACTCTGGCCTGTATCGCTATTGGTGGCATGTTCTACGTATCA
 CCTGGCAGACGCACCTGCTCGCCATTGCCTGTGCCCTGTTTGCAGCCTACCTGGGTGCTGCCCTGGCCAA
 CATGCTGTCTGTGTTGGATTACCACCCTGCACCTGGCCCTTCTGCCTCTCAGCGCTCACCTTCTCCTC
 CTCACAACCAACAACCCTGGCATCTACAAGCTCCCGCTCAGCAAAGTCACCTACCCAGAGGCCAACCGCA
 TCTACTTCTGTCCAGGAGAAAAACAGAAGGGCATCGATGATAACAAAGTACCAGGCCTACGACGTCTC
 C**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001110270
Insert Size:	1194 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:	<u>NM_001110270.1</u> , <u>NP_001103740.1</u>
RefSeq Size:	2939 bp
RefSeq ORF:	1194 bp
Locus ID:	54302
UniProt ID:	<u>Q62668</u>
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 (3), also known as UT-A2 or UT2, contains a distinct 5' UTR and lacks multiple 5' coding exons, compared to variant 1. The resulting isoform (3) has a substantially shorter N-terminus, compared to isoform 1.