

Product datasheet for **RN207446**

Slc14a1 (NM_019346) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc14a1 (NM_019346) Rat Untagged Clone
Tag: Tag Free
Symbol: Slc14a1
Synonyms: HUT11; UrT2; UT-B; UT3; UTB1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN207446 representing NM_019346
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCATGGAAGATATCCCACATATGGTTAAAGTAGACCGAGGTGAAAGCCAGATTTATCCTGCCGGG
GGAGAAGGTGTGGCCTCAAAGTACTTGGCTATGTCACGGGAGATATGAAGGAATTCGCCAACTGGCTTAA
AGACAAGCCTGTGGTGTCCAGTTCATGGACTGGATACTTCGTGGCATATCCCAGGTGGTGTGGTGTGTCAGC
AACCCCATCAGTGAATCCTGATTCTGGCGGGACTTCTGGTCCAGAACCCCTGGTGGGCGCTCTGTGGCT
GTGTAGGAACCGTGGTCTCCACTCTGACCGCCCTCTTGCTTAGCCAAGACAGATCAGCGATAACGGCCGG
GCTCCAGGGTTACAATGCCACCCTGGTGGGAATACTCATGGCTGTCTTCTCAGACAAGGGCGACTACTTC
TGGTGGTTGATATCCCTGTATCTGCTATGCTATGACTTGCCCGGTTTTCTCGAGCGGTTGAGCTCCC
TGTTCCAGCAAGTGGGACCTGCCCGTCTTCACTCTTCTTCAACATGGCTTTGTCGCTGTACCTCCAGC
CACAGGACACTACAATACGTTTTTCCCAAGTAACTCTTCATGCCTGTGAGCTCCGTGCCAACATCAGC
TGGTCCGAGCTCAGCGCCCTGGAGCTGTTGAAGTCTCTCCGGTGGGAGTCGGTCAGATATATGGCTGTG
ATAACCCGTGGACAGGGCCATTTTCTGTGTGCCATCTGCTTCTCCCTCCCACTCATGTGCCTGCACGC
TGCTATCGGATCGTTGCTGGGAGTCATCGCAGGTCTCAGTCTTGCAAGCTCCGTTTTAAAGATATCTTCTCT
GGGCTCTGGGTTTTCAACAGTTCCTGGCTTGCAATTGCGATCGGAGGGATGTTTCATGGCACTCACCTGGC
AGACCCATCTCCTGGCCCTTGCTGTGCCCTGTTCACTGCCTACTTTGGAGCCTGTATGACACACCTGAT
GGCTGCGGTTACCTGCCAGCTTGTACCTGGTCTTCTGCTTGGCCACACTACTTTTCTCCTGCTGACC
ACGGAAAATCCCAATATCTACAGGATGCCCTCAGCAAAGTTACCTACTCCGAGGAGAACCAGCATCTTCT
ACCTACAAAACAAGAAAAGGGTGGTCGACCGCCCGCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_019346
Insert Size:	1161 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_019346.2</u> , <u>NP_062219.2</u>
RefSeq Size:	1392 bp
RefSeq ORF:	1161 bp
Locus ID:	54301
UniProt ID:	<u>P97689</u>
Cytogenetics:	18q12.3
Gene Summary:	transports urea; plays a role in regulating urea accumulation in the kidney inner medulla and in maintaining water and nitrogen balance [RGD, Apr 2007]