

Product datasheet for RR207446

Slc14a1 (NM_019346) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Slc14a1 (NM_019346) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Slc14a1
Synonyms: HUT11; UrT2; UT-B; UT3; UTB1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR207446 representing NM_019346
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCATGGAAGATATCCCACATATGGTTAAAGTAGACCGAGGTGAAAGCCAGATTTTATCCTGCCGGG
 GGAGAAGGTGTGGCCTCAAAGTACTTGGCTATGTCACGGGAGATATGAAGGAATTCGCCAACTGGCTTAA
 AGACAAGCCTGTGGTGTCCAGTTCATGGACTGGATACTTCGTGGCATATCCCAGGTGGTGTGGTGTGTCAGC
 AACCCCATCAGTGAATCCTGATTCTGGCGGGACTTCTGGTCCAGAACCCCTGGTGGGCGCTCTGTGGCT
 GTGTAGGAACCGTGGTCTCCACTCTGACCGCCCTCTTGCTTAGCCAAGACAGATCAGCGATAACGGCCGG
 GCTCCAGGGTTACAATGCCACCCTGGTGGGAATACTCATGGCTGTCTTCTCAGACAAGGGCGACTACTTC
 TGGTGGTTGATATCCCTGTATCTGCTATGCTATGACTTGCCCGGTTTTCTCGAGCGGTTGAGCTCCC
 TGTTCAGCAAGTGGGACCTGCCCGTCTTCACTCTTCTTTCAACATGGCTTTGTCGCTGTACCTCCAGC
 CACAGGACACTACAATACGTTTTTCCAAGTAACTCTTCATGCCTGTGAGCTCCGTGCCAACATCAGC
 TGGTCCGAGCTCAGCGCCCTGGAGCTGTTGAAGTCTCTCCGGTGGGAGTCGGTCAGATATATGGCTGTG
 ATAACCCGTGGACAGGGCCATTTTCTGTGTGCCATCTGCTTCTCCCTCCCACTCATGTGCCTGCACGC
 TGCTATCGGATCGTTGCTGGGAGTCATCGCAGGTCTCAGTCTTGACGCTCCGTTTTAAGATATCTTCTCT
 GGGCTCTGGGTTTTCAACAGTTCCTGGCTTGCAATTGCGATCGGAGGGATGTTTCATGGCACTCACCTGGC
 AGACCATCTCCTGGCCCTTGCTGTGCCCTGTTCACTGCCTACTTTGGAGCCTGTATGACACACCTGAT
 GGCTGCGGTTACCTGCCAGTTGTACCTGGTCTTCTGCTTGGCCACACTACTTTTCTCCTGCTGACC
 ACGGAAAATCCCAATATCTACAGGATGCCCTCAGCAAAGTTACCTACTCCGAGGAGAACCAGCATCTTCT
 ACCTACAAAACAAGAAAAGGGTGGTCGACCGCCCGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR207446 representing NM_019346
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MAMEDIPTMVKVDRGESQILSCRGRRCGLKVLGYVTGDMKEFANWLKDKPVVLQFMDWILRGISQVVFVS
 NPISGILILAGLLVQNPWWALCGCVGTVVSTLTALLSQDRSAITAGLQGYNATLVGILMAVFSKGDYF
 WWLIFPVSAMSMTCPVFSSALSSLFKSWDLPVFTLPFNMAISLYLPATGHYNTFFPSKLFMPVSSVPNIT
 WSELSALELLKSLPVGVGQIYGCDNPWTGAIFLCAILLSSPLMCLHAAIGSLLGVIAGLSLAAPFKDIFS
 GLWGFNSSLACIAIGGMFALTWQTHLLALACALFTAYFGACMTHLMAAVHLPACTWSFCLATLLFLLLT
 TENPNIRMPLSKVTYSEENRIFYLQNKRRVDRPL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

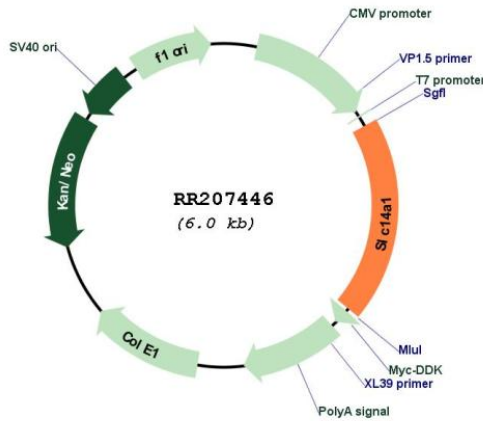
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_019346

ORF Size:	1158 bp
OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_019346.2 , NP_062219.2
RefSeq Size:	1392 bp
RefSeq ORF:	1161 bp
Locus ID:	54301
UniProt ID:	P97689
Cytogenetics:	18q12.3
MW:	42.3 kDa
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]