

Product datasheet for **SC323066**

SLC14A1 (NM_001128588) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC14A1 (NM_001128588) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC14A1
Synonyms:	HsT1341; HUT11; JK; Jk(b); RACH1; RACH2; UT-B1; UT1; UTE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC323066 representing NM_001128588. Blue=Insert sequence Red=Cloning site Green=Tag(s)

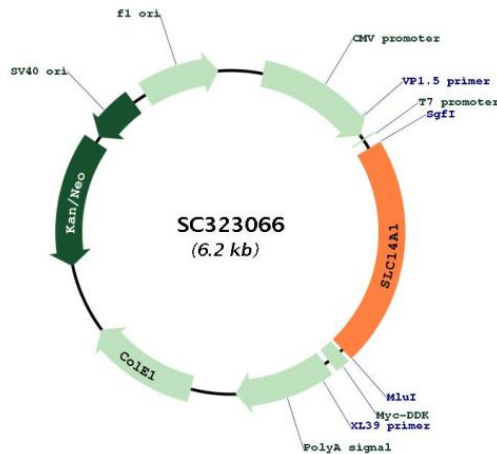
```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGAATGGACGGTCTTTGATTGGCGGCGTGGT GACGCCCGTCATGGTCTGTTTGAAGGACCCCTTT
GGAAGTAAAGCTGGTGACGCAGCGCGCAGAGGCATCGCCCGGCTAAGCTTGGCCCTGGCAGATGGGTG
CAGGAACAGGAGCCAGAGGAAGAGATAGCCATGGAGGACAGCCCCACTATGGTTAGAGTGGACAGCCCC
ACTATGGTTAGGGGTGAAAACAGGTTTCGCCATGTCAAGGGAGAAGGTGCTTCCCAAAGCTCTTGCC
TATGTCACCGGTGACATGAAAGAACTTGCCAACAGCTTAAAGACAAACCCGTGGTCTCCAGTTCATT
GACTGGATTCTCCGGGCATATCCAAGTGGTGTTCGTCACAACCCCGTCAGTGAATCCTGATTCTG
GTAGGACTTCTTGTT CAGAACCCCTGGTGGCTCTCACTGGCTGGCTGGGAACAGTGGTCTCCACTCTG
ATGGCCCTCTTGCTCAGCCAGGACAGGTCAATTAAGCATCTGGGCTCTATGGCTACAATGCCACCCCTG
GTGGGAGTACTCATGGCTGTCTTTTCGGACAAGGGAGACTATTTCTGGTGGCTGTACTCCCTGTATGT
GCTATGTCCATGACTTGCCCAATTTTCTCAAGTGCATTGAATCCATGCTCAGCAATGGGACCTCCCC
GTCTTCACCCCTCCCTTCAACATGGCGTTGTCAATGTACCTTTACGCCACAGGACATTACAATCCATTC
TTCCAGCCAAACTGGTCATACCTATAACTACAGCTCAAATATCTCCTGGTCTGACCTCAGTGCCTG
GAGTTGTTGAAATCTATACCAGTGGGAGTTGGTCAGATCTATGGCTGTGATAATCCATGGACAGGGGGC
ATTTTCTGGGAGCCATCCTACTCTCTCCCACTCATGTGCCTGCATGCCATAGGATCATTGCTG
GGCATAGCAGCGGACTCAGTCTTTCAGCCCCATTTGAGGACATCTACTTTGGACTCTGGGGTTTCAAC
AGCTCTCTGGCCTGCATTGCAATGGGAGGAATGTTTCATGGCGCTCACCTGGCAAACCCACCTCTGGCT
CTTGGCTGTGCCCTGTTACGGCCTATCTTGGAGTCGGCATGGCAAACCTTATGGCTGAGGTTGGATTG
CCAGCTTGTACCTGGCCCTTCTGTTTGGCCACGCTATTGTTCTCATCATGACCACAAAAAATCCAAC
ATCTACAAGATGCCCTCAGTAAAGTACTTATCTGAAGAAAACCGCATCTTCTACCTGCAAGCCAAG
AAAAGAATGGTGGAAAGCCCTTTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```



[View online »](#)

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001128588

Insert Size: 1338 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](#)

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001128588.3](#)

RefSeq Size: 4129 bp

RefSeq ORF: 1338 bp

Locus ID: 6563

UniProt ID: [Q13336](#)

Cytogenetics: 18q12.3

Protein Families: Transmembrane

MW: 48.3 kDa

Gene Summary: The protein encoded by this gene is a membrane transporter that mediates urea transport in erythrocytes. This gene forms the basis for the Kidd blood group system. [provided by RefSeq, Mar 2009]

Transcript Variant: This variant (1) differs in the 5' UTR compared to variant 4. Variants 1 and 4 both encode the same isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.