

Product datasheet for SC114602

SLC14A1 (NM_015865) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC14A1 (NM_015865) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC14A1
Synonyms:	HsT1341; HUT11; JK; Jk(b); RACH1; RACH2; UT-B1; UT1; UTE
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114602 sequence for NM_015865 edited (data generated by NextGen Sequencing)

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ATGGAGGACAGCCCACTATGGTTAGAGTGGACAGCCCACTATGGTTAGGGGTGAAAAC
CAGGTTTCGCCATGTCAAGGGAGAAGGTGCTTCCCAAAGCTCTTGGCTATGTCACCGGT
GACATGAAAGAACTTGCCAACCAAGCTTAAAGACAAACCCGTGGTCTCCAGTTCATTGAC
TGGATTCTCCGGGGCATAATCCCAAGTGGTGTTCGTCAACAACCCCGTCAGTGAATCCTG
ATTCTGGTAGGACTTCTTGTTCAAGAACCCCTGGTGGGCTCTCACTGGCTGGCTGGGAACA
GTGGTCTCCACTCTGATGGCCCTCTTGCTCAGCCAGGACAGGTCATTAATAGCATCTGGG
CTCTATGGCTACAATGCCACCCTGGTGGGAGTACTCATGGCTGTCTTTTCGGACAAGGGA
GACTATTTCTGGTGGCTGTACTCCCTGTATGTGCTATGTCCATGACTTGCCCAATTTTC
TCAAGTGCATTGAATCCATGCTCAGCAAATGGGACCTCCCGTCTTACCCTCCCTTTC
AACATGGCGTTGTCAATGTACCTTTCAGCCACAGGACATTACAATCCGTTCTTTCAGCC
AAACTGGTCATACCTATAACTACAGCTCCAAATATCTCCTGGTCTGACCTCAGTGCCTG
GAGTTGTTGAAATCTATAACAGTGGGAGTTGGTCAGATCTATGGCTGTGATAATCCATGG
ACAGGGGGCATTTCCTGGGAGCCATCCTACTCTCCTCCCACTCATGTGCCTGCATGCT
GCCATAGGATCATTGCTGGGCATAGCAGCGGACTCAGTCTTTCAGCCCCATTTGAGAAC
ATCTACTTTGACTCTGGGGTTTCAACAGCTCTCTGGCCTGCATTGCAATGGGAGGAATG
TTCATGGCGCTCACCTGGCAAACCCACCTCCTGGCTCTTGGCTGTGCCCTGTTACGGCC
TATCTTGGAGTCGGCATGGCAAACCTTTATGGCTGAGGTTGATTGCCAGCTTGTACCTGG
CCCTTCTGTTTGGCCACGCTATTGTTCCCTCATCATGACCACAAAAAATTCCAACATCTAC
AAGATGCCCTCAGTAAAGTTACTTATCCTGAAGAAAACCGCATCTTCTACCTGCAAGCC
AAGAAAAGAAATGGTGAAAGCCCTTTGTGA

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Clone variation with respect to NM_015865.6
588 a=>g;838 g=>a



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_015865 unedited TATTTTGTAAACGACTCACTATAGGGCGGCNCGCGAATTCGCACGAGGCTCTGTCTTC CCTCAGGAGCCAGAGGAAGAGATAGCCATGGAGGACAGCCCCACTATGGTTAGAGTGGAC AGCCCCACTATGGTTAGGGGTGAAAACAGGTTTCGCCATGTCAAGGGAGAAGGTGCTTC CCCAAAGCTCTTGGCTATGTCACCGGTGACATGAAAGAACTTGCCAACAGCTTAAAGAC AAACCCGTGGTGTCCAGTTCATTGACTGGATTCTCCGGGCATATCCAAGTGGTGTTC GTCAACAACCCCGTCAGTGAATCCTGATTCTGGTAGGACTTCTTGTTCAGAACCCTGG TGGCTCTCACTGGCTGGCTGGGAACAGTGGTCTCCACTCTGATGGCCCTCTTGCTCAGC CAGGACAGGTCATTAATAGCATCTGGGCTCTATGGCTACAATGCCACCCTGGTGGGAGTA CTCATGGCTGTCTTTTCGGACAAGGGAGACTATTTCTGGTGGCTGTTACTCCCTGTATGT GCTATGTCCATGACTTGCCCAATTTTCTCAAGTGCATTGAATTCATGCTCAGCAATGG GACCTCCCGTCTTACCCTCCCTTTCAACATGGCGTTGTCAATGTACCTTTTCAGCCACA GGACATTACAATCCGTTCTTTCCAGCCAACTGGTCATACCTATAACTACAGCTNCAAT ATCTCCTGGTCTGACCTCAGTCCCTGGAGTTGTTGAAATCTATACCAGTGGGAGTTGGT CAGATCTATGGCTGTGATAATCCATGGACAGNGGCATTTTCTGNGAGCCATCCTACTC TNCNCCCACTCATGTGCCTGCATGCTGCCATANGATCATTGCTGGNCATAGCAGCGGGA CTCAGTCTTTTCAGNCCATNTGAGAACATCTACTTGACTCTGNNGNTTCACAGCTCTCTG CCTGCATGCATGGNNAGAAATGTCATGCGCTAC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_015865 unedited GCCGCAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTGGAGAGACACAGTTTCACTCTTGT CACCCAGGTTGGAGTGCAGTGGTGAATCTTAGCTCACTGCAGCCTACTCTCTGGGCT GAAGTAATTTTCCACCTCAGACTTCCAAGTAGCTGGAACACAGGCACCCACCACCATG CCTGGCTAATTCTGAATTTTTTGTAGATACAGGGTTAAACCATGCTGCCAGACTGGTC TTGAACTACTGGGTTAAAGCAATCTGACCGCTGGGCTCCCCAAAGTGTGGGATTACAG GCGTGAGCCACCACACTCAGCCCTTTATTTCTTTTGGCGTTCAAATGCCATTGATTAC TGACAGAGAATATTGTGAGTGTGCAAAAAATAATGACCTTTTCTAAATTAACGAACCTAA CAACTTAAAAATAACACCCGTAAGCATTCTGACCTTTGCTTGTAGTCTTTATAAGACA TGCTGAAACGAATAAAAAATATGATTTTAAAGAGCCCTTTTGGACGTTCCGGAACAACCT TATGCCTTCGTGGCATTGACACAATCATTCTACGGGTCAAAGCAAAAAATGCCTAAGCTG ACCCATTCACTAATACACCAAGGAACCTTTTCTTATATGTTAGACCAGTCAACGCCAG TACCTGCGCTCATCTCTCACCTTTAAACCACTACTCTTATTACGAAAAATATCCCTC CTTAAAAATTTCTTGCATCTCCCGAAAAATTGCAATCCAAAAAATTTGATTGCCAAACA TCTTTGAGCTTTTGAACACCTGCCAACTGAATAACCCCCCTGCTCCTTAAAAATGCC CCCACCCACGAAATGGCCGCGCTCGCTTGAGAAAGTGGGCGACCTGTTGTCATTT GTCATTGGCCCAATACGGCCTATGGCAACCGGCTGTTTCAAACACCCCTCGTTTAA ACAAATCGGGTTATCACTTTCTGATTGCAACACACGGATCACGTATTGGGTGATTCAA CCGTGACTCTCGCCCTAACCCACAATTCAAT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_015865
Insert Size:	2680 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:

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_015865.1](#), [NP_056949.1](#)

RefSeq Size: 2725 bp

RefSeq ORF: 1170 bp

Locus ID: 6563

UniProt ID: [Q13336](#)

Cytogenetics: 18q12.3

Domains: UT

Protein Families: Transmembrane

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 (2) differs in the 5' UTR and lacks an in-frame portion of the 5' coding sequence compared to variant 4. The resulting isoform (2) has a shorter N-terminus compared to isoform 1. Variants 2 and 3 both encode the same isoform (2). 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.