

Product datasheet for **SC331842**

SLC14A2 (NM_001242692) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | SLC14A2 (NM_001242692) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | SLC14A2 |
| Synonyms: | hUT-A6; HUT2; UT-A2; UT2; UTA; UTR |
| Vector: | pCMV6-Entry (PS100001) |



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Fully Sequenced ORF: >SC331842 representing NM_001242692.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGTCTGACCCCCACAGCAGTCCTCTCCTGCCAGAGCCACTTCCAGCAGATACAAACTCTACGAGGCA
 GAGTTTACCAGCCGAGCTGGCCCTCGACATCCCCGGATACTCACCCAGCTCTGCCCTCTGAAAATG
 CCTGAAGAAAAGGATCTCCGGTCTTCCAATGAAGACAGTCACATTGTGAAGATCGAAAAGCTCAATGAA
 AGGAGTAAAAGGAAAGACGACGGGTGGCCCATCGGGACTCAGCAGGCCAAAGGTGCATCTGCCTTCC
 AAAGCAGTGGGTACCTCACGGGCGACATGAAGGAGTACAGGATCTGGCTGAAAGACAAGCACCTTGCC
 CTCCAGTTCATAGACTGGGTCTGAGAGGGACCGCTCAGGTGATGTTTCATCAACAATCCTCTCAGCGGC
 CTCATCATCTTATAGGGCTGCTGATCCAGAATCCCTGGTGGACAATCACTGGGGCCTGGGGACAGTG
 GTCTCGACCTAACAGCTCTCGCCTTGGGCCAAGACAGGTCTGCCATTGCCTCAGGACTCCATGGGTAC
 AACGGGATGCTGGTGGGACTGCTGATGGCCGTGTTCTCGGAGAAGTTAGACTACTACTGGTGGCTTCTG
 TTTCTGTGACCTTACAGCCATGTCCTGCCAGTTCTTCTAGTGCCTGAATTCATCTTCAGCAAG
 TGGGACCTCCCGTCTTCACTCTGCCCTCAACATTGCAGTCACCTTGTACCTTGCAGCCACAGGCCAC
 TACAACCTCTTCTCCCCACAACACTGGTAGAGCCTGTGTCTTCACTGCCAATATCACCTGGACAGAG
 ATGGAAAATGCCCTGCTGTTACAAGCCATCCCTGTTGGGGTGGCCAGGTGATGGCTGTGACAATCCC
 TGGACAGGCGGCGTGTCTCCTGGTGGCTCTGTTTCATCTCCTCGCCACTCATCTGCTTGCATGCAGCCATT
 GGCTCAATCGTGGGGCTGCTAGCAGCCCTGTCAGTGGCCACACCCCTTCGAGACCATCTACACAGGCCCTC
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 AACACCCAGCCATCTTCACTCCCACTCAGCAAAGTCACTACCCCGAGGCCAACCCGATCTACTAC
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 GGCCCAAAGGTGGAGGAGGCTCGGAGGCTGTGCTCTCAAGCACAGGAGTGTATTTACATCGAGTGG
 TCATCCATTTCGGAGGAGGAGCAAAGTGTGGAAAAGGCGAACACCAGGAAAGACAAAACAAAGACCCA
 TTTCCCTATCGATACCGAAGCCACAGTGCAGCTGCTTGTGATCTGGACACCATGGAGGAGAGCTCTGAG
 ATAAAAGTGAAAACAAACATTTCCAAGACATCCTGGATTTCGAGTTCATGGCTGCCAGTGGGAAAAGG
 GTCAGCAAAGCCCTCAGTACATCACAGGAGAGATGAAGGAGTGTGGAGAGGGACTTAAAGACAAGTCC
 CCAGTGTCCAGTCTTTGACTGGGTCTCCGAGGCACATCTCAAGTGTGTTTGTGAACAACCCCTC
 AGCGGCATCCTCATCATCTCGGCCTTTCATCCAGAACCCTGGTGGGCGATCTCAGGCTGCCTGGGT
 ACCATCATGTCCACCTTGACAGCCCTCATCCTGAGTCAGGACAAGTCGGCCATCGCTGCAGATTTAC
 GGTACAATGGGGTGTGGTGGGCTGTGATGGCCGTGTTCTCAGACAAGGTGACTACTACTGGTGG
 CTGTTGCTACCCGTCATCATCATGTCCATGTCTTGCCCATCCTCTCCAGTGCCTGGGTACCATCTTC
 AGCAAGTGGGACCTCCCAGTCTTCACTGCCTTCAATATCACTGTGACTTTGTACCTGGCAGCCACG
 GGCCACTACAACCTTTTCTTCCCAACAGCTGCTGCAGCCTGCATCCGCCATGCCAACATCACCTGG
 TCAGAGGTCCAAGTGCCTTGTCTTGGAGCCATCCCGTTGGAATTGGCCAAGGTACGGCTGTGAT
 AACCCCTGGACTGGAGGCATCTTCTCATAGCTGTTCATATCCTCACCTCTCATTGTGCTGCATGCA
 GCAATTGGATCCACCATGGGGATGCTAGCAGCACTCACTATTGCGACGCCCTTTGACTCCATCTACTTC
 GGCCTGTGTGGCTTCAACAGCACCCCTGCATGCATAGCGATAGGAGGCATGTTCTACGTATCACCTGG
 CAGACGCACCTCCTCGCCATCGCCTGCGCACTGTTTGTGCTACCTGGGTGCTGCCCTGGCTAACATG
 TTATCTGTGTTTGGATTGCCCTGCACTTGGCCCTTGTCTCTCAGCTCTCACCTTCTGCTCTG
 ACGACCAATAACCCCGCCATCTACAAGCTCCCGCTCAGCAAAGTCACCTACCCAGAGGCCAACCGCATC
 TACTACCTGTCCAGGAGAGAAACAGAAGGCATCAATCATAACAAAGTATCAGGCTACGATGTCTCC
 TAA

Restriction Sites: SgfI-MluI
ACCN: NM_001242692
Insert Size: 2763 bp

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| 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: | NM_001242692.1 |
| RefSeq Size: | 3685 bp |
| RefSeq ORF: | 2763 bp |
| Locus ID: | 8170 |
| UniProt ID: | Q15849 |
| Cytogenetics: | 18q12.3 |
| Protein Families: | Transmembrane |
| MW: | 101.2 kDa |
| Gene Summary: | <p>The protein encoded by this gene belongs to the urea transporter family. In mammalian cells, urea is the chief end product of nitrogen catabolism, and plays an important role in the urinary concentration mechanism. This protein is expressed in the inner medulla of the kidney, and mediates rapid transepithelial urea transport across the inner medullary collecting duct. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Sep 2011]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein. 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.</p> |