

## Product datasheet for **SC337094**

### **SLC28A1 (NM\_001287762) Human Untagged Clone**

#### **Product data:**

|                           |                                             |
|---------------------------|---------------------------------------------|
| Product Type:             | Expression Plasmids                         |
| Product Name:             | SLC28A1 (NM_001287762) Human Untagged Clone |
| Tag:                      | Tag Free                                    |
| Symbol:                   | SLC28A1                                     |
| Synonyms:                 | CNT1; HCNT1; URCTU                          |
| Mammalian Cell Selection: | Neomycin                                    |
| Vector:                   | pCMV6-Entry (PS100001)                      |
| E. coli Selection:        | Kanamycin (25 ug/mL)                        |



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**Fully Sequenced ORF:** >SC337094 representing NM\_001287762.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGAGAACGACCCCTCGAGACGAAGAGAGTCCATCTCTCACACCTGTGGCCAAGGGTCTGGAGAAC
ATGGGGGCTGATTTCTTGAAAGCCTGGAGGAAGGCCAGCTCCCTAGGAGTGACTTGAGCCCCGACAG
ATCAGGAGCAGCTGGAGCGAGGGCGGCCGAAGCCCTTCTCCAGATGGAGGAACCTGCAGCCAGCCCTG
AGAGCCAGAAGCTTCTGCAGGGAGCACATGCAGCTGTTTCGATGGATCGGCACAGGCCTGCTCTGCACT
GGGCTCTCTGCCTTCTGCTGGTGGCCTGCCTCCTGGATTTCCAGAGGGCCCTGGCTCTGTTTGTCTC
ACCTGTGTGGTCTCACCTTCTGGGCCACCGCCTGCTGAAACGGCTTCTGGGGCCAAAGCTGAGGAGG
TTTCTCAAGCCTCAGGGCCATCCCCGCCTGCTGCTCTGGTTTAAGAGGGGTCTAGCTCTTGCTGCTTTC
CTGGGCCTGGTCTGTGGCTGTCTCTGGACACCTCCAGCGCCCTGAGCAACTGGTGTCTTCGCAGGA
ATCTGCGTGTTCTGCTGCTCTCTTTGCTGCTCAAAGCATCATTGCGCAGTGCTCTGGAGGGCCGTG
TCTTGGGACTTGGACTGCAGTTTGTACTTGGACTCCTCGTCATCAGAACAGAACAGGATTCTTGCCTG
TTCGAGTGGCTGGGCGAGCAGATCCGGATCTTCTGAGCTACACGAAGGCTGGCTCCAGCTTCGTGTTT
GGGAGGCGCTGGTCAAGGATGTCTTTGCCTTTCAGGTTCTGCCCATCATTGTCTTTTTCAGCTGTGTC
ATATCCGTTCTCTACACGTGGGCTCATGCACTGGGTGATCCTGAAGATTGCCTGGCTGATGCAAGTC
ACCATGGGCACCACAGCCACTGAGACCTGAGTGTGGCTGGAAACATCTTGTGAGCCAGACCGAGGCT
CCATTACTGATCCGGCCCTACTTGGCAGACATGACACTCTCTGAAGTCCACGTTGTCTGACCGGAGGT
TACGCCACCATGCTGGCAGCCTGCTGGTGCCTACATCTCCTTTGGGATCGATGCCACCTCGTTGATT
GCAGCCTCTGTGATGGCTGCCCCCTTGTGCCTTGGCCCTCTCCAAGCTGGTCTACCCGGAGGTGGAGGAG
TCCAAGTTTAGGAGGGAGGAAGGAGTGAACTGACCTATGGAGATGCTCAGAACCTCATAGAAGCAGCC
AGCACTGGGGCCGCCATCTCCGTGAAGGTGGTCCGAACATCGCTGCCAACCTGATTGCGTTCCTGGCT
GTGCTGGACTTTATCAATGCTGCCTCTCCTGGCTGGGAGACATGGTGGACATCCAAGGGCTCAGCTTC
CAGCTCATCTGCTCCTACATCCTGCGGCCTGTAGCCTTCTTGATGGGTGTGGCTGGGAGGACTGCCCA
GTGGTAGCTGAGCTGCTGGGATCAAGCTGTTTCTGAACGAGTTTGTGGCCTATCAAGACCTCTCCAAG
TACAAGCAACGCCGCTGGCAGGGGCCGAGGAGTGGTCCGGCAGCAGGAAGCAGTGGATCTCCGTCAGA
GCTGAAGTCTCACGACGTTTGCCTCTGTGGATTGCCAATTTAGCTCCATTGGGATCATGCTGGGA
GGCTTGACCTCCATGGTCCCCAACGGAAGAGCGACTTCTCCAGATAGTGTCCGGGCGCTCTTACG
GGAGCCTGTGTGCTCCTGGTGAACGCTGTATGGCAGGGATCCTCTACATGCCAGGGGGGCTGAAGTT
GACTGCATGTCCCTCTTGAACACGACCCTCAGCAGCAGTAGCTTTGAGATTTACAGTGCTGCCGTGAG
GCCTTCCAGAGCGTCAATCCAGAGTTCAGCCCAGAGGCCCTGGACAACCTGCTGTCCGTTTACAACCA
ACGATCTGTGCACAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
```

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001287762

**Insert Size:** 1950 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\\_001287762.1](#)

**RefSeq Size:** 2653 bp

**RefSeq ORF:** 1950 bp

**Locus ID:** 9154

**UniProt ID:** [O00337](#)

**Cytogenetics:** 15q25.3

**Protein Families:** Transmembrane

**MW:** 71.6 kDa

**Gene Summary:** Sodium-dependent and pyrimidine-selective. Exhibits the transport characteristics of the nucleoside transport system cit or N2 subtype (N2/cit) (selective for pyrimidine nucleosides and adenosine). It also transports the antiviral pyrimidine nucleoside analogs 3'-azido-3'-deoxythymidine (AZT) and 2',3'-dideoxycytidine (ddC). It may be involved in the intestinal absorption and renal handling of pyrimidine nucleoside analogs used to treat acquired immunodeficiency syndrome (AIDS). It has the following selective inhibition: adenosine, thymidine, cytidine, uridine >> guanosine, inosine.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (4) lacks an exon in the 5' UTR, compared to variant 1, and encodes isoform 1. Variants 1 and 4 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.