

## Product datasheet for **SC303454**

### SLC28A1 (NM\_004213) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC28A1 (NM_004213) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC28A1
Synonyms:	CNT1; HCNT1; URCTU
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_004213 edited  
AAGGCAAGCCAGAGCCAAAGCAGGTTGGACCCAGCTTGTCCCCACAGAGACGTGTGCTTC  
CCTCTCTCTGAGAGCGACCTGTTAACCGCAAATACCTGGAAGGTCTGGGACATGGAGA  
ACGACCCCTCGAGACGAAGAGAGTCCATCTCTCACACCTGTGGCCAAGGGTCTGGAGA  
ACATGGGGGTGATTTCTTGGAAAGCCTGGAGGAAGGCCAGCTCCCTAGGAGTGACTTGA  
GCCCCGCAGAGATCAGGAGCAGCTGGAGCGAGGCGGCCGAAGCCCTTCCAGATGGA  
GGAACCTGCAGCCAGCCCTGAGAGCCAGAAGCTTCTGCAGGGAGCACATGCAGCTGTTTC  
GATGGATCGGCACAGGCCTGCTCTGCACTGGGCTCTGCCTTCCTGCTGGTGGCCTGCC  
TCCTGGATTTCCAGAGGGCCCTGGCTCTGTTTGTCTCACCTGTGTGGTCTCACCTTCC  
TGGGCCACCGCTGCTGAAACGGCTTCTGGGGCCAAAGCTGAGGAGGTTTCTCAAGCCTC  
AGGGCCATCCCCGCCTGCTGCTCTGGTTAAGAGGGGTCTAGCTTTGCTGCTTTCCTGG  
GCCTGGTCTGTGGTGTCTCTGGACACCTCCAGCGGCCTGAGCAACTGGTGTCTTCCG  
CAGGAATCTCGTGTTCGTGCTCTCTCTTTGCCTGCTCAAAGCATCATTGCGCAGTGT  
CCTGGAGGGCCGTGCTTGGGGACTTGGACTGCAGTTTGTACTTGGACTCCTCGCATCA  
GAACAGAACCAGGATTCATTGCGTTCGAGTGGCTGGGCGAGCAGATCCGGATCTTCTGA  
GCTACACGAAGGCTGGCTCCAGCTTCGTGTTGGGGAGGCGCTGGTCAAGGATGTCTTTG  
CCTTTCAGGTTCTGCCATCATTGTCTTTTTCAGCTGTGTATATCCGTTCTCTACCACG  
TGGGCCTCATGCAGTGGGTGATCCTGAAGATTGCCTGGCTGATGCAAGTCACCATGGGCA  
CCACAGCCACTGAGACCTGAGTGTGGCTGGAAACATCTTTGTGAGCCAGACCGAGGCTC  
CATTACTGATCCGGCCCTACTTGGCAGACATGACACTCTCTGAAGTCCACGTTGTATGA  
CCGGAGGTTACGCCACCATTGCTGGCAGCCTGCTGGGTGCCTACATCTCCTTTGGGATCG  
ATGCCACCTCGTTGATTGCAGCCTCTGTGATGGCTGCCCTTGTGCTTGGCCCTCTCCA  
AACTGGTCTACCCGGAGGTGGAGGAGTCCAAGTTTAGGAGGGAGGAAGGAGTGAACCTGA  
CCTATGGAGATGCTCAGAACCTCATAGAAGCAGCCAGCACTGGGGCCGCCATCTCCGTGA  
AGGTGGTTCGCAACATCGCTGCCAACCTGATTGCGTTCCTGGCTGTGCTGGACTTTATCA  
ATGCTGCCCTCTCCTGGCTGGGAGACATGGTGGACATCCAGGGGCTCAGCTTCCAGCTCA  
TCTGCTCTACATCCTGCGGCCTGTAGCCTTCTTGTGGGTGGCGTGGGAGGACTGCC  
CAGTGGTAGCTGAGCTGCTGGGGATCAAGCTGTTTCTGAACGAGTTTGTGGCCTATCAAG  
ACCTCTCCAAGTACAAGCAATGCCGCTGGCAGGGGCGAGGAGTGGTCCGGCAGACAGGA  
AGCAGTGGATCTCCGTGAGAGCTGAAGTCTCACGACGTTTGGCCTCTGTGGATTTGCCA  
ATTTACAGTCCATTGGGATCATGCTGGGAGGCTTGACCTCCATGGTCCCCAACGGAAGA  
GGACTTCTCCCAGATAGTGTCCGGGCCTCTTACGGGAGCCTGTGTGCCCTGGTGA  
ACGCTGTATGGCAGGGATCCTCTACATGCCCAGGGGGGCTGAAGTTGACTGCATGTCCC  
TCTTGAACACGACCCTCAGCAGCAGTAGCTTTGAGATTTACCAGTGTGCCGTGAGGCTC  
TCCAGAGCGTCAATCCAGAGTTCAGCCCAGAGGCCCTGGACAACCTGCTGTCCGTTTTACA  
ACCACAGATCTGTGCACAGTGGAGACAGAACATGCTTGTGCTTCTGCGCTTCTGAGGGC  
TGTTCTCCCCGGGAACCATCTGTCCCCACCTTCCCTTCCCAGAGCCCTCTTCCAGGGAA  
GCCACAGGACTTAGACCCAGCTCAATCCCACAATTGGGAAGGGGTATGGAGTGAAGTGG  
CAGAGAGTGAAGTGGAGACATAAGGAAGGACATGTCCCACCTCCATCCCCCTTCTGCTGCC  
CCATTTCTAACTCCCCAGTGTGAATTCAGGGTCACTTCTGCCTCCTCCCGTTTCCC  
CTCCACATCCAAACAGCACCCCTGGTCTCTATCCCCCTCTCCTGGGGTCCCTCACAT  
GCCCTTCCCTTCTGTTGTGG

**Restriction Sites:** Please inquire  
**ACCN:** NM\_004213  
**Insert Size:** 2400 bp

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	The ORF of this clone has been fully sequenced and found to be a good match to NM_004213.3.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_004213.3</a></u> , <u><a href="#">NP_004204.3</a></u>
<b>RefSeq Size:</b>	2750 bp
<b>RefSeq ORF:</b>	1950 bp
<b>Locus ID:</b>	9154
<b>UniProt ID:</b>	<u><a href="#">O00337</a></u>
<b>Cytogenetics:</b>	15q25.3
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<p>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 &gt;&gt; guanosine, inosine.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest 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.</p>