

Product datasheet for **SC303453**

SLC28A2 (NM_004212) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC28A2 (NM_004212) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC28A2
Synonyms:	CNT2; HCNT2; HsT17153; SPNT1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_004212 edited
 ATGGAGAAAGCAAGTGAAGACAGTCCATTGCTCTGTCCACAGTGGAGACTGGCACAGTG
 AACCCGGGGCTGGAGCTCATGGAAAAAGAAGTAGAGCCTGAGGGAAGCAAGAGGACTGAC
 GCACAAGGACACAGCCTGGGGATGGACTGGGCCCTTCCACTTACCAGAGGAGGAGTCCG
 TGGCCTTTCAGCAAAGCAAGAAGTTTCTGCAAAACACACGCCAGCTTGTCAAGAAGATC
 CTGTTGGGCCTGTTGTGTTTGGCCTATGCTGCCTATCTCCTAGCAGCTTGCATCTTGAAT
 TTCCAGAGGGCACTGGCCTTGTGTTGTCATCACCTGCTTGGTGATCTTGTCTGCTTGCAC
 TCGTTTTTGAAGCTCCTGGCAAAAAATTAACAAGATGTCTGAAGCCCTTTGAAAAAC
 TCCCGCCTGAGGCTTTGGACGAAATGGGTGTTTGCAGGAGTCTCCTTGGTTGGCCTTATA
 CTGTGGTTGGCTTTAGACACAGCCCAAAGGCCAGAGCAGCTGATCCCTTTGCAGGAATC
 TGCATGTTTATCCTTATCCTCTTTGCCTGCTCCAAACACCACAGCGCAGTGTCTGGAGG
 ACAGTGTTCGGGCCTAGGTCTCAATTTGCTTTGGGATCTTGGTCATCAGAAGTGTGAT
 CTTGGATATACTGATTTTCAAGTGGCTGGGAGAGCAGGTCCAGATTTTCTGAACTACACT
 GTGGCCGGCTCCAGTTTGTCTTTGGGATACACTGGTCAAGGATGTCTTTGCTTTTCAG
 GCCTTACCAATCATCTTTTCTTTGGATGTGTGGTGTCCATTCTCTACTACCTGGGCCTT
 GTGCAATGGGTAGTTTCAAGGTCGCCTGGTTTTTACAAATCACTATGGGCACCAGTGTCT
 ACAGAGACCCTGGCTGTGGCAGGAAACATCTTTGTGGGTATGACAGAGGCACCTCTGCTC
 ATCCGTCCTACCTTGGGGACATGACACTCTCTGAAATCCATGCGGTGATGACTGGAGGG
 TTTGCCACATTTCTGGCACTGTGCTGGGAGCCTTCATAGCCTTTGGGGTTGATGCATCA
 TCCCTGATTTCTGCCTCTGTGATGGCCGCCCTTGTGCTCTCGCCTCATCAAAGCTAGCG
 TATCCGGAAGTGGAGGAGTCCAAGTTCAAGAGTGGAGGGGGTAAAGCTGCCCCGTGGG
 AAGGAGAGGAATGCTCTGGAAGCTGCCAGCAACGGAGCCGTAGATGCCATAGGCCTTGT
 ACTAATGTAGCAGCCAACCTGATTGCCTTTTTGGCTGTGTTGGCCTTCAATGCTGCC
 CTCTCCTGGCTGGGGAAATTGGTGGACATACAGGGGCTCACTTTCCAGGTCATCTGCTCC
 TATCTCCTAAGGCCCATGGTTTTTATGATGGGTGTAGAGTGGACAGACTGTCCAATGGTG
 GCTGAGATGGTGGGAATCAAGTTCTTCATAAATGAGTTTGTGGCTTATCAGCAACTGTCT
 CAATACAAGAACAACGTCTCTCTGGAATGGAGGAGTGGATTGAGGGAGAGAAACAGTGG
 ATTTCTGTGAGAGCTGAAATCATTACAACATTTTCACTCTGTGGATTTGCCAATCTTAGT
 TCCATAGGAATCACACTGGAGGCTTGACATCAATAGTACCTCACCGAAGAGTGACTTG
 TCCAAGTTGTGGTCAGGGCCCTTTCACAGGGGCTGTGTATCCCTTATCAGTGCCTGT
 ATGGCAGGAATCCTCTATGTCCCAGGGGAGCTGAAGCTGACTGTGTCTCCTTCCCAAAC
 ACAAGTTTACCAATAGAACCTATGAGACTACATGTGCTGCAGAGGGCTTTTCAGAGT
 ACTTCTCTGAATGGCACCAACCCTCCTTCTTTTTCTGGTCCCTGGGAAGATAAGGAGTTC
 AGTGCTATGGCCCTTACTAACTGCTGTGGATTCTACAACAATACCGTCTGTGCCTAA

Restriction Sites: Please inquire

ACCN: NM_004212

Insert Size: 2000 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).

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:	<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:	<u>NM_004212.1</u> , <u>NP_004203.1</u>
RefSeq Size:	2459 bp
RefSeq ORF:	1977 bp
Locus ID:	9153
UniProt ID:	<u>O43868</u>
Cytogenetics:	15q21.1
Protein Families:	Transmembrane
Gene Summary:	Sodium-dependent and purine-selective transporter. Exhibits the transport characteristics of the nucleoside transport system cif or N1 subtype (N1/cif) (selective for purine nucleosides and uridine). Plays a critical role in specific uptake and salvage of purine nucleosides in kidney and other tissues.[UniProtKB/Swiss-Prot Function]