

## Product datasheet for **SC112807**

### SLC28A3 (NM\_022127) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLC28A3 (NM_022127) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC28A3
Synonyms:	CNT3
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_022127, the custom clone sequence may differ by one or more nucleotides

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ATGGAGCTGAGGAGTACAGCAGCCCCAGAGCTGAGGGCTACAGCAACGTGGGCTTCCAGAATGAAGAAA  
ACTTTCTTGAGAACGAGAACACATCAGGAAACAACCTCAATAAGAAGCAGAGCTGTGCAAAGCAGGGAGCA  
CACAAACACCAAACAGGATGAAGAACAGGTCACAGTTGAGCAGGATTCTCCAAGAAACAGAGAACACATG  
GAGGATGATGATGAGGAGATGCAACAAAAAGGGTGTGGAAAGGAGGTATGACACAGTATGTGGTTTCT  
GTAGGAAACACAAAACAACTCTTCGGCACATCATCTGGGGCATTATTATAGCAGTTATCTGGTTATGGT  
GATTTTCGGCCTGTGTGCTGAACTTTCACAGAGCCCTTCTCTTTTTGTGATCACCGTGGCTGCCATCTTC  
TTTGTGTCTGGGATCACCTGATGGCCAAATACGAACATCGAATTGATGAGATGCTGTCTCTGGCAGAA  
GGCTTCTAAACAGCCATTGGTTCTGGCTGAAGTGGGTGATCTGGAGCTCCCTGGTCTAGCAGTTATTTT  
CTGTTGGCCTTTGACACTGCCAAATTGGGTCAACAGCAGCTGGTGTCTTCGGTGGGCTCATAATGTAC  
ATTGCTCTGTTATTTCTATTTTCCAAGTACCAACCCAGAGTTACTGGAGACCTGTCTTATGGGGAATCG  
GGCTACAGTTTCTCTGGGCTCTTGATTCTAAGGACTGACCCTGGATTTATAGCTTTTGATTGGTTGGG  
CAGACAAGTTCAGACTTTTCTGGAGTACACAGATGCTGGTGTCTCATTGTCTTTGGTGAGAAATACAAA  
GACCACCTCTTTGCATTTAAGGTCTGCCGATCGTGGTTTTCTCAGCACTGTGATGTCCATGCTGTACT  
ACCTGGGACTGATGCAGTGGATTATTAGAAAGGTTGGATGGATCATGCTAGTTACTACGGGATCATCTCC  
TATTGAATCTGTAGTTGCTTCTGGCAATATATTTGTTGGACAAACGGAGTCTCCACTGCTGGTCCGACCA  
TATTTACCTTACATACCAAGTCTGAACTCCACGCCATCATGACCGCCGGTCTCTACCATTTGCTGGAA  
GCGTGTAGGTGCATACATTTCTTTGGGGTCCATCCTCCACTTGTTAACAGCGTCAGTTATGTCAGC  
ACCTGCGTCATTGGCTGCTGCTAAACTCTTTGGCCTGAGACAGAAAAACCTAAAATAACCCTCAAGAAT  
GCCATGAAAAATGGAAAGTGGTGATTTCAGGGAATCTTCTAGAAGCTGCAACACAGGGAGCATCCTCCTCCA  
TCTCCCTGGTGGCAACATCGCTGTGAATCTGATTGCCTTCTGGCCCTGCTGTCTTTATGAATTCAGC  
CCTGCTCTGGTTTGGAAACATGTTTGACTACCCACAGCTGAGTTTTGAGCTAATCTGCTCTACATCTTC  
ATGCCCTTTCTTTCATGATGGGAGTGGAAATGGCAGGACAGCTTTATGGTTGCCAGACTCATAGTTATA  
AGACCTTCTTCAATGAATTTGTGGCTTATGAGCACCTCTCAAAATGGATCCACTTGAGGAAAGAAGGTGG  
ACCCAAATTTGTAACGGTGTGCAGCAATATATCAATTCGTTCTGAGATAATCGCCACTTACGCTCTC  
TGTGGTTTGGCAATATCGGGTCCCTAGGAATCGTGATCGGCGGACTCACATCCATGGCTCCTCCAGAA  
AGCGTGATATCGCTCGGGGACAGTGAAGCTCTGATTGCGGGGACCGTGGCCTGCTTCATGACAGCCTG  
CATCGCAGGCATACTCTCCAGCACTCCTGTGGACATCAACTGCCATCACGTTTTAGAGAATGCCTTCAAC  
TCCACTTTCCCTGGAAACACAACCAAGGTGATAGCTTGTGGCAAAGTCTGTTGAGCAGCACTGTTGCCA  
AGGGTCTGTTGAAGTCAATCCAGGAGGAAACACAGTCTGTATTCTTTGAAGGGCTGCTGCACATTGTT  
GAATCCATCGACCTTTAACTGCAATGGGATCTCTAATACATTTTGA
```

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_022127 unedited  
 TGTCAACTTTTGTATACGACTCATATAGGCGGCNCGCAATTCGCACGAGGAAAAAGACA  
 TGGAGCTGAGGAGTACAGCAGCCCCAAAGCTGAGGGCTACAGCAACGTGGGCTTCCAGA  
 ATGAAGAAAACTTTCTTGAGAACGAGAACACATCAGGAAACAACCAATAAGAAGCAGAG  
 CTGTGCAAAGCAGGGAGCACAAAACACCAACAGAGAATCAAAGGCCACATTGGATATG  
 ACAGAAGACAAGTGCTGAGATTTGACATTATACTTCTTAGAGCACACTCAAACGCTCCA  
 CCTCCATCTATTTCCCTCCCCACCAGCTTCTGTACCATTGGTTACAAGAGCCAGGCTTAT  
 TATTTGAGACATTATTGGAGACTGGAGACAGGATGAAGAACAGGTCACAGTTGAGCAGGA  
 TTCTCCAAGAAACAGAGAACACATGGAGGATGATGATGAGGAGATGCAACAAAAAGGGTG  
 TTTGAAAGGAGGTATGACACAGTATGTGGTTTCTGTAGGAAACAAAAACAACCTTTCG  
 GCACATCATCTGGGGCATTTTATTAGCAGGTTATCTGGTTATGGTGATTCGGCCTGTGT  
 GCTGAACCTTTCACAGAGCCCTTCTCTTTTTGTGATCACCGTGGCTGCCATCTTCTTTGT  
 TGTCTGGGATCACCTGATGGCAAATACGAACATCGAATTGATGAGATGCTGTCTNCTGG  
 CAGAAGGCTTCTAAACAGCCATTGGTTCTGGCTGAAGTGGGTGATCTGGAGCTCCCTGGT  
 CCTAGCAGTTATTTCTGGTTGGCCTTTGACACTGCCAAAATGGGTCAACAGCAGCTGGT  
 GTCCTTCGGTGGGCTCATATGTACATTGCCTGGTTATTCTATTTCCAGTACCCAACAGA  
 GTTACTGGAGACTGTCTATGGGGATCGGCTCAGTTCTTCTTGA

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_022127 unedited  
 GACCGCGGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  
 GAACATGTTGCATTTATAAGAAAATGTCACACGTACACACAGAAAGGTCATATCAAAGCA  
 GGTAATAAAGACAACATATTTCTCCAAAACCAAGTCTGACATCTTATAATACCAGAA  
 ATATACACACACTTCAAACCTGGGAAATCATCCTATGAATCTGCTCTGACCAATATGGTA  
 GCCACTAATACCTGAAATATGGAGTAACCAAGTAAACAAATTTTTAAATTTAAACTGATA  
 CTCATTTCAAGTTATTGGAAAACTTTTAAGCACATTTAGACCAACATGGGTATGTAATTT  
 ACTTTGCAAAATTTAGATTTTATGAAATCTAAACATGGATTAAGTATTATCAGTAAACTT  
 TAGTGTCTCAACTGAGATATGCAAACGACAGACTTAGTTTCATAAGAATGAAAAATAT  
 CTTACTGAAATAATATCTCCAATGTATTGAGTTAAATATATTTAAATTAATTTTACTTGT  
 TTTTTAGCGTGGCTACTAGATCTTAAATTACATGTGACTTGCATATGTCTATCAGACACT  
 ATTGCTATAGAAAAAAAAGCCAGCATGCAAAGTAAATGTACATGCACTGTCCAGAGTAG  
 GAAAAAGAGAACCCCNAAACAAAACCTGTNAACAAAGTAAATGCATGTCCACAGAGGAA  
 TGGTATGATACATAAACATAACATTCTGTGGGGTATGATGAACCACGACACCCAACAAT  
 GAGAATGGGGGGGAAACATGCAATATATTTTCTAAATAAATCTGAAGACTGCAAGGCC  
 CAATGAGCTCCCAGAAAAATGGTCCAATAAAAAGAAAATTTTATTAATCTACTCCAGANAA  
 ACAGTCTCTGGAACATTAGCTTCTCCTTCCCCCNAAAAACAACCCCAAAACCCCTT  
 TTTTCCAAGCTTTTCTTTAATACCCTGT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_022127

**Insert Size:**

4700 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\\_022127.1](#), [NP\\_071410.1](#)

**RefSeq Size:** 2209 bp

**RefSeq ORF:** 2076 bp

**Locus ID:** 64078

**UniProt ID:** [Q9HAS3](#)

**Cytogenetics:** 9q21.32-q21.33

**Domains:** Nucleoside\_tra2

**Protein Families:** Transmembrane

**Gene Summary:** Nucleoside transporters, such as SLC28A3, regulate multiple cellular processes, including neurotransmission, vascular tone, adenosine concentration in the vicinity of cell surface receptors, and transport and metabolism of nucleoside drugs. SLC28A3 shows broad specificity for pyrimidine and purine nucleosides (Ritzel et al., 2001 [PubMed 11032837]). [supplied by OMIM, Mar 2008]  
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 both encode the same protein.