

Product datasheet for **SC108080**

ZnT1 (SLC30A1) (NM_021194) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZnT1 (SLC30A1) (NM_021194) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZnT1
Synonyms:	ZNT1; ZRC1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_021194, the custom clone sequence may differ by one or more nucleotides

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ATGGGGTGTGGGGTCGGAACCGGGGCCGGCTGCTGTGCATGCTGGCGCTGACCTTCATGTTTCATGGTGC
TGGAGGTGGTGGTGGAGCCGGGTGACCTCGTCGCTGGCGATGCTCTCCGACTCCTTCCACATGCTGTCGGA
CGTGTGGCGCTGGTGGTGGCGCTGGTGGCCGAGCGCTTCGCCCGGGGACCCACGCCACCCAGAAGAAC
ACGTTCCGCTGGATCCGAGCCGAGGTAATGGGGGCTCTGGTGAACGCCATCTTCTGACTGGCCTCTGTT
TCGCCATCCTGCTGGAGGCCATCGAGCGCTTCATCGAGCCGCACGAGATGCAGCAGCCGCTGGTGGTCTT
TGGGGTCGGCGTGGCCGGGCTGCTGGTCAACGTGCTGGGGCTCTGCCTCTTCCACCATCACAGCGGCTTC
AGCCAGGACTCCGGCCACGGCCACTCGCACGGGGGTACGGCCACGGCCACGGCCTCCCCAAGGGGCCTC
GCGTTAAGAGCACCCGCCCGGGAGCAGCGACATCAACGTGGCCCCGGGCGAGCAGGGTCCCGACCAAGGA
GGAGACCAACACCTGGTGGCCAATACCAGCAACTCCAACGGGCTGAAATTGGACCCCGCAGACCCAGAA
AACCCAGAAAGTGGTGATACAGTGAAGTACAAGTGAATGGAATCTTGTGAGAGAACCTGACCATATGG
AACTGGAAGAAGATAGGGCTGGACAACCTAACATGCGTGGAGTTTTTCTGCATGTCCTTGGAGATGCCTT
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TTTTGTGTGAATCCATGTTTCCCTGACCCCTGCAAAGCATTGTGAAATAATTAATAGTACTCATGCAT
CAGTTTATGAGGCTGGTCTTCTGCTGGGTGCTATATTTAGATCCAACCTCTTGTGTTGTAATGGTTGTAT
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TTTGGCAACTTGCTGGAAGCAGAATCATTGCCACTGCTCACATAAAATGTGAAGATCCAACATCATACAT
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TTTGCTAGTGTAGGCTCTAAATCAAGTGTAGTTCCGTGTGAACCTGCCTGCAGAACCCAGTGTGCTTTGA
AGCAATGTTGTGGGACACTACCACAAGCCCTTCTGGAAGGATGCAGAAAAGACCCAGCAGTTAGCAT
TTCTTGTTTGAAGTCTAGTAACAATCTAGAGAAGAAGCCAGGAGGACTAAAGCTGAAAACATCCCTGCT
GTTGTGATAGAGATTAATAACATGCCAAACAAACACCTGAATCATCTTTGTGA
  
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_021194 unedited CCGCGAATTCGGCACGAGCCGCGGGGGCCCTCAGCGTTTCCCGAACGGCCCGACTCGG GCGCTCCTCCGTGTCGCGGTGCGCGACCTCCGCGTCCCGCAACGCCGCGCTGCACCA GTCTCCGGGCGGGCTCGGCGGGCCCCGAGCCGAGCCATGGGGTGTGGGGTCGGAAC CGGGGCGGGTGTGTGTCATGCTGGCGTGACCTTCATGTTTCATGGTGTGGAGGTGGTG GTGAGCCGGGTGACCTCGTCTGCGTGGCGATGCTCTCCGACTCCTTCCACATGCTGTGCGAC GTGCTGGCGCTGGTGGTGGCGTGGTGGCCGAGCGCTTCGCCCGCGGACCCACGCCACC CAGAAGAACACGTTCCGGCTGGATCCGAGCCGAGGTAATGGGGGCTCTGGTGAACGCCATC TTCCTGACTGGCCTCTGTTTCGCCATCCTGCTGGAGGCCATCGAGCGCTTCATCGAGCCG CACGAGATGCAGCAGCCGCTGGTGGTCTTGGGGTGGCGTGGCCGGGCTGCTGGTCAAC GTGCTGGGGCTCTGCCTCTTCCACCATCACAGCGGCTTCAGCCAGGACTCCGGCCACGGN CACTCGCACGGGGGTACGGCCACGGCCACGGCCTCCCAAGGGGCTCGCGTTAGAGCA CCCGCCCCGGGAGCAGCAGCATCAACGTGGNCCCGGGCGAGCAGGTCCCGACAGGAGGA GACCAACACCCTGGTTGCCAATACC
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_021194 unedited GTACCGCGGCCGCATCTATATCGAGTTTTTTTTTTTTTTTTTTTTTTTCTACTTAACTT TTAATAAATGAGAAGAAACACAGTAGTCTGTCTCATATAGAACATTTATAATACATAACA ATCCATAAAGCCTCATGGTGAGGTAGGAACAGCTTTGGAAAATAACACACAGTCATGAAA ACATACAAAAAGTTAGGTAAAATGTTGCAGCACTAAAGATATTTTATCTGCATCTGTATT TAATGAGATGATAACTGCATTTAACTGGCCACATCTGGCCAAAGGACAGGCAACAGAA GACACAAAACAACACAACATATAAGTTTCATAATCACAGAATATACTGATACACTTCATT GCGCTGTTTCAAGGCAGAACCATAAATGGCAATTTGCGCCTTTTATATATATATATAA CCACATATTAATTGTATGTTACATTCCTACAGCATCTTTTGGCAAAGACACTGGACCA TAAATTTTTTGGGTTAAAGTTTAAATTGAATAACATAAAAAGGCTCTTGTGCCAGTG AAAATGACTGCTAAATATTTAGAGCTTGGTAGTAAAACAAAATAGCCTTACCACATAGT ATTCGGTAGAGCCTACATCAAAATAGTGCTATTATAATTCCAATTTGAGAGACGTGAAAC ACTGTATGACACAGTGCTGAATTCTAAAAATGACCAACAAAAACCCCCACACCTCCCA AGAGTTTTAACTGCTGATGACCTAACTGAACTCAGGATAAAAAATAACATCTCTATA TTGGAGATTACTCCTCTATTTGCGGGAACATTTAAAAACAGCAGTTAATGACCTTCTAT TATCCAATGATATCGGTATACCAGCGTAATCCTGACTCTACCCCATTAACCTCAAAATCT GCCTTTGGGCGCTTAGGGCTTTCCCTGAAACGTGCAATTCAAATTACTCAGGTGGGTAA AACCCAGTTTAACAGTCTTTACTCCG
Restriction Sites:	NotI-NotI
ACCN:	NM_021194
Insert Size:	5850 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:	<u>NM_021194.2, NP_067017.2</u>
RefSeq Size:	2034 bp
RefSeq ORF:	1524 bp
Locus ID:	7779
UniProt ID:	<u>Q9Y6M5</u>
Cytogenetics:	1q32.3
Domains:	Cation_efflux
Protein Families:	Transmembrane
Gene Summary:	May be involved in zinc transport out of the cell.[UniProtKB/Swiss-Prot Function]