

Product datasheet for **SC118985**

SLC31A1 (NM_001859) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLC31A1 (NM_001859) Human Untagged Clone
Tag:	Tag Free
Symbol:	SLC31A1
Synonyms:	COPT1; CTR1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_001859 edited ATGGATCATTCCCACCATATGGGGATGAGCTATATGGACTCCAACAGTACCATGCAACCT TCTCACCATCACCAACCACTTCAGCCTCACACTCCCATGGTGGAGGAGACAGCAGCATG ATGATGATGCCTATGACCTTCTACTTTGGCTTCAAGAATGTGGAAGTACTGTTTTCCGGT TTGGTGATCAATACAGCTGGAGAAATGGCTGGAGCTTTTGTGGCAGTGTTTTACTAGCA ATGTTCTATGAAGGACTCAAGATAGCCCGAGAGAGCCTGCTGCGTAAGTCACAAGTCAGC ATTCGCTACAATTCCATGCCTGTCCCAGGACCAATGGAACCATCCTTATGGAGACACAC AAAAGTGTGGGCAACAGATGCTGAGCTTTCCTCACCTCCTGCAAACAGTGCTGCACATC ATCCAGGTGGTCATAAGCTACTTCTCATGCTCATCTTCATGACCTACAACGGGTACCTC TGCATTGCAGTAGCAGCAGGGCCGGTACAGGATACTTCTCCTCAGCTGGAAGAAGGCA GTGGTAGTGGATATCACAGAGCATTGCCATTGA



[View online »](#)

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001859 unedited</p> <pre> AGGTTTTGCGAATTTGTATACGACTCCTATAGGCGGCCCGCAATCGGCACGAGGAAGAG TCGTGAGGGGGTGACGGGTTAAGATTCGGAGAGAGAGGTGCTAGTGGCTGGACTTGACCT GGAAAGAATCTTCTGCTGACTCTCAACTTTTCTGGAAAAATGGATCATTCCCACCATA TGGGGATGAGCTATATGGACTCCAACAGTACCATGCAACCTTCTCACCATACCCAACCA CTTCAGCCTCACACTCCCATGGTGGAGGAGACAGCATGATGATGATGCCTATGACCT TCTACTTTGGCTTCAAGAATGTGGAACACTGTTTTCCGGTTTGGTGATCAATACAGCTG GAGAAATGGCTGGAGCTTTTGTGGCAGTGTCTTACTAGCAATGTTCTATGAAGGACTCA AGATAGCCCGAGAGAGCCTGCTGCGTAAGTCACAAGTCAGCATTGCTACAATTCATGTC CTGTCCCAGGACCAATGGAACCATCCTTATGGAGACACAAAACTGTTGGGCAACAGA TGCTGAGCTTTTCTCACCTCCTGCAAACAGTGTGACATCATCCAGGTGGTCATAAGCT ACTTCCTCATGCTCATCTTCATGACCTACAACGGGTACCTCTGCATTGCAGTAGCAGCAG GGGCCGGTACAGGATACTTCTCTTCAGCTGGAAGAAGGCAGTGGTAGTGGATATCACAG AGCATTGCCATTGACATCAAACCTATGGCGTGGCCTTATCGATTGCAGTGGGAAGTTGT TGAAGACTTGAAGACGTGATTCTCTCAATCATCCCCTTCTTGCTCCTCTTTGTGCAC GTNCCNCACNCNCNCNCNCACACACACACACCCCTGGTAAACAGAGGTTTAAAGTT ACAGCCTCTGA </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_001859 unedited</p> <pre> TAGCTTGCCGCGGCCGCAATCTATGATCGTTTTTTTTTTTTTTTTTTTTTTGAAAAGGGTTT TGCTCTTGTCGCCAGGCTGGAGTGCAATGGCGCCATCTGGCTCACTGCAACCTCCGCC TCCTGGGTTCAAGCGATTCTCTGCCTCAGCCTCCCGAGTAGCTGGGATTACAGGCATGC ACCACCACGCCAGCTAATTTTTGTATTTTAGTAGAGATGGGGTTTACCACATTGGCC AGGCTGGTCTCAAACCTGACCTCAGGTGATCTGCACCCCTCTGGCCTCCCAAAGTG TGTGAGCCACTGTGCCAGCCAGAGTTTCTATCTTTTGTATGATCTTTTGAAGGAGCAG CTGGAGAGGGCAGGATCAAAATTAATCACATGAAAGTGTACTCCCTCCGCCTGCTCCT TATAAGGAACCCCTTAGACTAGAACCAAGACCAGTACCACAGCCTGAAAGGGAAATTT CAGACAACCCTACCATAGAAGTAGTGAAAAAACCTAATTTCTAATCTCCTAGCGGATAC AGCGAGGATTCATTTGTGGGCAACGGGGATGCTGGGAGTTCTCCCTCCAACTAAAG ACGGGACCTAAAAATCCGTACTTTGGGAAAGGTACCAACCCTATAAAATATCACTTGGGT AAACTGCCTCTCACCCATGCCAAATTCCTCTAAAAGTTAATAATGGCCANTCCTGGT GGTTTTTTTTTCCACACCTCCCCCGCTCCCGCTTTAGAGCGCTTCTGGACCTTANACT CCTCTCACGCCCTCGCAACCACCCATAATAGGGACAGGCACACCCTNNTGGGCGCCAG AAACCGGGTTCGCCGCTCCCAACACAGGTCGTGGGCGCGCACAACAGGATCCCTACCA CCACCAGCAAATACTCCCTTTCCCTCACCCTTCTTCTCCCAACCCG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_001859
Insert Size:	4170 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_001859.2](#), [NP_001850.1](#)

RefSeq Size: 4735 bp

RefSeq ORF: 573 bp

Locus ID: 1317

UniProt ID: [O15431](#)

Cytogenetics: 9q32

Domains: Ctr

Protein Families: Transmembrane

Gene Summary: The protein encoded by this gene is a high-affinity copper transporter found in the cell membrane. The encoded protein functions as a homotrimer to effect the uptake of dietary copper. [provided by RefSeq, Aug 2011]