

Product datasheet for **SC108464**

COPT2 (SLC31A2) (NM_001860) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	COPT2 (SLC31A2) (NM_001860) Human Untagged Clone
Tag:	Tag Free
Symbol:	COPT2
Synonyms:	COPT2; CTR2; hCTR2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC108464 sequence for NM_001860 edited (data generated by NextGen Sequencing) ATGGCGATGCATTTTCATCTTCTCAGATACAGCGGTGCTTCTGTTTGATTCTGGAGTGTC CACAGTCCTGCTGGCATGGCCCTTTCGGTGTTGGTGCTCCTGCTTCTGGCTGTACTGTAT GAAGGCATCAAGGTTGGCAAAGCCAAGCTGCTCAACCAGGTAAGTGAACCTGCCAACC TCCATCAGCCAGCAGACCATCGCAGAGACAGACGGGACTCTGCAGGCTCAGATTCATTC CCTGTTGGCAGAACCACACAGGTGGTATTTGTGTCACTTTGGCCAGTCTCTAATCCAT GTCATCCAGGTGGTCATCGGCTACTTCATCATGCTGGCCGTAATGTCCTACAACACCTGG ATTTTCCTTGGTGTGGTCTTGGGCTCTGCTGTGGGCTACTACCTAGCTTACCCACTTCTC AGCACAGCTTAG Clone variation with respect to NM_001860.2



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001860 unedited
 NGTTTCACATTTGTATACGACTCATATAGGCGGCCGCGNAATTTCGCACGAGGGCGGCGGGC
 GCGGCGGCGGCGGTTGAACTGACTCGGAGCGAGGAGACCCGAGCGAGCAGACGCGGCCCT
 GGCGCCCGCCCTGCGCACTACCATGGCGATGCATTTTCATCTTCTCAGATACAGCGGTGC
 TTCTGTTTGATTTCTGGAGTGCCACAGTCCTGCTGGCATGGCCCTTTTCGGTGTGGTGC
 TCCTGCTTCTGGCTGTACTGTATGAAGGCATCAAGGTTGGCAAAGCCAAGCTGCTCAACC
 AGGTACTGGTGAACCTGCCAACCTCCATCAGCCAGCAGACCATCGCAGAGACAGACGGGG
 ACTCTGCAGGCTCAGATTCAATCCCTGTTGGCAGAACCCACCACAGGTGGTATTTGTGTC
 ACTTTGGCCAGTCTCTAATCCATGTCATCCAGGTGGTCATCGGCTACTTCATCATGCTGG
 CCGTAATGTCCTACAACACCTGGATTTTCCTTGGTGTGGTCTTGGGCTCTGCTGTGGGCT
 ACTACCTAGCTTACCCACTTCTCAGCACAGCTTAGCTGGTGAGGAACGTGCAGGCACTGA
 GGCTGGAGGGACATGGAGCCCCCTTCCAGACACTATACTTCCAAGTCCCTTTCTTCT
 GATGGCTATTCTCCACCTTATCCAGCCNCTGGGAACCTTGAGCTGAAGCCAGCACTT
 GCTCCCTGGAGTTCGGAAGCCATTGCAGCAACCTTCTTCTCAGCCAGCCTACATAGGGC
 CCAGGCATGGTCTTGTGCTTAAGACAGCTGCTGTGACCAAAGGAGAATGGAGATACAG
 GGGTGGCAGGGGTACTGAGCCCATGACATGCTTCTCTGTGACTCANACAGGAATTTCCAA
 AGATTCAGCCCAGGAAAGGC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001860 unedited
 ACTCGCAATCGANAGTCGAGTAATTTCTTTTTTTTTTATATTTACTAAAATGTATTTGT
 TTGTTTTTAATCCCAAAGCTTACAACCATTTTTTCATCTAATCTGTGAGGTATTTAGTA
 TACAGCAGTGATTTTCTCTCTTTCTTTTTTATAAAGTGAAGAGGTTCAACTATCCAGAG
 AGTCCCATCTAACTCAAAAAATGTTATGGTTTTGGTTGGATTGCATCTTCAGCCAGTACC
 TGGCATGGCTTAATCAGTATTTAAGTGAATGAATCATGTTTCCCACTAGATCATTACG
 AGTAAGCAGTAAGTAATAAATAGAGAATATTAAGCCTTGAACATTATTAGATGCAGCTTT
 TTGTTCTGCATAGAAGAAAGATGAGGATAAAGGAGGGCATTGAGGCCACGAAGAGCTTCC
 CAGACACCCACGGCCATCAGATCATCTTCTTCTGCAGGCAGTGCCTTCTGGCGGAAGGA
 GCTCAGTCTATCAATCACAGAATAAACCAGGAGCCTGAAAGCAGCCCTGTGTCTCTGCCT
 TTAATCAGCTGACACTTATCCCTGCCCAAGAAGGGACACCGGTTTACCATCCCTGCGC
 TGCCTCGTGAATCAACGAAACGTTGGATCGAAATCCGTCTGTGTGAATGTGCAAAACC
 GCGGACTAGGAGGCCAAGGGGAAAAATAAAAAACCTCGCGGGGGGGCGCTGTCGCTACA
 CCAGATGATCTCCCCGCCCGCCAGCCGCAAGTTACAAAAAGATCCACTCCGCCCGCC
 CGCTCCTAACCCCCCGTTAGAACCCGCTTGCAGTTTCCCCGTCCACGCCGAAATGCG
 CGTTCTGTGTTTTCTCTCTTCCCCCTTCCCGATCTTCTTCCCCCTTCCCCCTTCCCCG
 CTTCCCCCCCCCGCTCTCTATTTTCGCTCCCCCCCCCTCTTTTCCCCCCC

Restriction Sites:

NotI-NotI

ACCN:

NM_001860

Insert Size:

1860 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_001860.1, NP_001851.1</u>
RefSeq Size:	1698 bp
RefSeq ORF:	432 bp
Locus ID:	1318
UniProt ID:	<u>O15432</u>
Cytogenetics:	9q32
Domains:	Ctr
Protein Families:	Transmembrane
Gene Summary:	Involved in low-affinity copper uptake.[UniProtKB/Swiss-Prot Function]