

Product datasheet for **SC108014**

CoCoA (CALCOCO1) (NM_020898) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CoCoA (CALCOCO1) (NM_020898) Human Untagged Clone
Tag:	Tag Free
Symbol:	CoCoA
Synonyms:	calphoglin; Cocoa; PP13275
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_020898, the custom clone sequence may differ by one or more nucleotides

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ATGGAAGAATCACCCTAAGCCGGGCACCATCCCCTGGTGGAGTCAACTTTCTCAATGTAGCCCGGACCT
ACATCCCCAACACCAAGGTGGAATGTCACTACACCCTTCCCCAGGCACCATGCCAGTGCCAGTGACTG
GATTGGCATCTTCAAGGTGGAGGCTGCCTGTGTTCCGGATTACACACATTTGTGTGGTCTTCCGTGCCT
GAAAGTACAACCTGATGGTTCCCCATTACACCAGTGTCCAGTTCCAAGCCAGCTACCTGCCAAACCAG
GAGCTCAGCTCTACCAGTTCGATATGTGAACCCAGGCGCAGGTGTGTGGGCAGAGCCCCCTTTCCA
GTTCCGAGAGCCAAGGCCATGGATGAACTGGTACCCTGGAGGAGGCTGATGGGGGCTCTGACATCCTG
CTGTTTGTCCCCAAGGCAACTGTGTTACAGAACCAGCTCGATGAGAGCCAGCAAGAACGGAATGACCTGA
TGCAGCTGAAGCTACAGCTGGAGGGACAGGTGACAGAGCTGAGGAGCCGAGTGCAGGAGCTCGAGAGGGC
TCTGGCAACTGCCAGGCAGGAGCACACGGAGCTGATGGAACAGTACAAGGGGATTTCCCGTCCCATGGG
GAGATCACAGAAGAGAGGGACATCCTGAGCCGGCAACAGGGAGACCATGTGGCACGCATCCTGGAGCTAG
AGGATGACATCCAGACCATCAGTGAGAAAGTGCTGACGAAGGAAGTGGAGCTGGACAGGCTTAGAGACAC
AGTGAAGGCCCTGACTCGGGAACAAGAGAAGCTCCTTGGGCAACTGAAAGAAGTACAAGCAGACAAGGAG
CAAAGTGAGGCTGAGCTCCAAGTGGCACAAACAGGAGAACCATCACTTAAATTTGGACCTGAAGGAGGCGA
AGAGCTGGCAAGAGGAGCAGAGTGCTCAGGCTCAGCGACTGAAAGACAAGGTGGCCAGATGAAGGACAC
CCTAGGCCAGGCCAGCAGCGGGTGGCCGAGCTGGAGCCCTTGAAGGAGCAGCTTCGAGGGGGCCAGGAG
CTTGACGCTCAAGCCAGCAGAAAGCCACCCTTCTTGGGGAGGAGTTGGCCAGTGCAGCAGCAGCCAGGG
ACCGCACCATAGCCGAACACACCGCAGCCGCTGGAAGTGGCTGAAGTTAACGGCAGGCTGGCTGAGCT
CGGTTTGCACCTGAAGGAAGAAAAATGCCAATGGAGCAAGGAGCGGGCAGGGCTGCTGCAGAGTGTGGAG
GCAGAGAAGGACAAGATCCTGAAGCTGAGTGCAGAGATACTTCGATTGGAGAAGGCAGTTCAGGAGGAGA
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GAGGAGAAACAGGAATTGCTAGAGTACATGAGAAAGCTAGAGGCCCGCTGGAGAAGGTGGCAGATGAGA
AGTGGAAATGAGGATGCCACCACAGAGGATGAGGAGGCCGCTGTGGGGCTGAGCTGCCCGGCAGCTGAC
AGACTCAGAGGACGAGTCCCAGAAGACATGAGGCTCCCACCCTATGGCCTTTGTGAGCGTGGAGACCCA
GGCTCCTCTCCTGCTGGGCTCGAGAGGCTTCTCCCTTGTGTCATCAGCCAGCCGGCTCCCATTTCTC
CTCACCTCTCTGGCCAGCTGAGGACAGTACTGCTGACTCGGAGGCTGAAGATGAGAAGTCACTCCTGAT
GGCAGCTGTGCAGAGTGGGGGTGAGGAGGCCAACTTACTGCTTCTGAACTGGGCAGTGCCTTCTATGAC
ATGGCCAGTGGCTTACAGTGGGTACCCTGTGAGAAACCAGCACTGGGGGCCCTGCCACCCACATGGA
AGGAGTGTCTATCTGTAAGGAGCGCTTCTCCTGCTGAGAGTGACAAGGATGCCCTGGAGGACCACATGGA
TGGACACTTCTTTTTCAGCACCCAGGACCCTTACCTTTGAGTGA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_020898 unedited
 GATATTTGTATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGAAACAGCTGAT
 CCGTCTGTTGGGAGGACAGATATCTCAAGGCCAGGAATGGAAGAATCACCACTAAGCCGG
 GCACCATCCCCTGGTGGAGTCAACTTTCTCAATGTAGCCCGGACCTACATCCCCAACACC
 AAGGTGGAATGTACTACACCCTTCCCCAGGCACCATGCCAGTGCCAGTGACTGGATT
 GGCATCTTCAAGGTGGAGGCTGCCTGTGTTCCGGATTACCACACATTTGTGTGGTCTTCC
 GTGCCTGAAAGTACAACGTGATGGTTCCCCATTACACCCAGTGCCAGTCCAAGCCAGC
 TACCTGCCCCAAACCAGGAGCTCAGCTCTACCAGTTCGGATATGTGAACCCAGGCCAG
 GTGTGTGGGCAGAGCCCCCTTCCAGTTCGAGAGCCAAGGCCATGGATGAACTGGTG
 ACCCTGGAGGAGGCTGATGGGGCTCTGACATCCTGCTGGTTGTCCCAAGCAACTGTGT
 TACAGAACCAGCTCGATGAGAGCCAGCAAGAACGGAATGACCTGATGCAGCTGAAGCTCA
 GNTGGAGGACAGGTGACAGAGCTGAGGAGCCGAGTGCAGGAGCTCGAGAGGGCTCTGGC
 AACTGCCAGGCAGGACCCGGGAGCTGAGGGAACAGACAGGGGGGATTTTCCCGTCCA
 TGGGGGAAGATACCAGAAGAAGAGGGACATNCTGAGCCCGCAACAGGGAGACCATGTG
 GCACGCATNCTGAGCTAGNAGGATGACATCCAGACATAGNNAAAAAATGCTGCGAAAGG
 AAAAGTAAAATTGAACAGCTAAAGACCCGGGGAGCCCTGACTTCGGACAAGAAAGCTC
 CTTGGCACTGGAAGAAGTACAGCCGACAGGAGCAAGGGAGGCTGAGCTCCAGTGCCAAC
 AGGAGACATACTTAATTTGACCCGAGAG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_020898 unedited
 NCCTTACTTGNNACCGCGCCGAATCTANNATCGAGNTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGGGAAACAAGGGGAAACTTTTATTGTTTTG
 GGGGACCCGAAAGGGAGGGGGCCTTTGAAAAGGGAAACCTGGGACCACTTTTTCC
 CCCATTTCTTACAAAAGGCCAAAAACCTTATTTTTTTTCTGTGAGGAAAAGCCAGGAA
 AGGATTCAAATACCGGAATCCTTAAAAATACAAAAAACCCCTCCAACTGAAAACCTAA
 GGGTATGGAAGAAAGCTTAGGGGGGCACAAAAATCAATGGGGGAACAAAAAGGAACCC
 ATGAACTGGAACCCAAAGGGACCCGAAAGGCCCTGATGGCCCTGTGTTGGCTTTGGG
 CAAACCCCAAAAAAACTTCGGGAAACCAACGAAACTCCAAATAAAAAAGGGAGGGGG
 CCCCCAAAAATGGCTTTGGGGCATCAAAAAAGGAATGTGAATGTGAATGTGTGTTGCC
 AAGGCTTTGTATTAACAACAACCAAGGGTTGGAGGGACCAATCTATTTCCACAGGGGAA
 AGGCCCCCTCCATTCCGGGTTCTCCCAACCCCTTTTAGGGGATAAAATTACCACCTGGTT
 TCAACAAGAACCCTTCTGGGCAAAAAAACCCGTTGGAAAAGGTGAAAGGAAAAAAC
 TTGGGGATAAAAAACGGCCCAAAAAGCAGGTTTTTAGGAACAAAATAACTGGGCCCCAG
 GTGAAAAAAGGGCCTAAACCCAAAGTTCCCATGGGGAAAGGGGGTCCAAAAGTGATTT
 TGGCCTTCCAGGCATACAACACTTAAGGGGAGGGGCCCGGGGCTCAAAAAAGTGCTTC
 CTTGGGCCCCAGGCAATCTT

Restriction Sites:

NotI-NotI

ACCN:

NM_020898

Insert Size:

4200 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:	<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:	NM_020898.1 , NP_065949.1
RefSeq Size:	3003 bp
RefSeq ORF:	2076 bp
Locus ID:	57658
UniProt ID:	Q9P1Z2
Cytogenetics:	12q13.13
Protein Families:	Transcription Factors
Gene Summary:	<p>Functions as a coactivator for aryl hydrocarbon and nuclear receptors (NR). Recruited to promoters through its contact with the N-terminal basic helix-loop-helix-Per-Arnt-Sim (PAS) domain of transcription factors or coactivators, such as NCOA2. During ER-activation acts synergistically in combination with other NCOA2-binding proteins, such as EP300, CREBBP and CARM1. Involved in the transcriptional activation of target genes in the Wnt/CTNNB1 pathway. Functions as a secondary coactivator in LEF1-mediated transcriptional activation via its interaction with CTNNB1. Coactivator function for nuclear receptors and LEF1/CTNNB1 involves differential utilization of two different activation regions (By similarity). In association with CCAR1 enhances GATA1- and MED1-mediated transcriptional activation from the gamma-globin promoter during erythroid differentiation of K562 erythroleukemia cells (PubMed:24245781).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longer protein isoform (1).</p>