

Product datasheet for **SC326102**

CoCoA (CALCOCO1) (NM_001143682) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CoCoA (CALCOCO1) (NM_001143682) Human Untagged Clone
Tag:	Tag Free
Symbol:	CALCOCO1
Synonyms:	calphoglin; Cocoa; PP13275
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



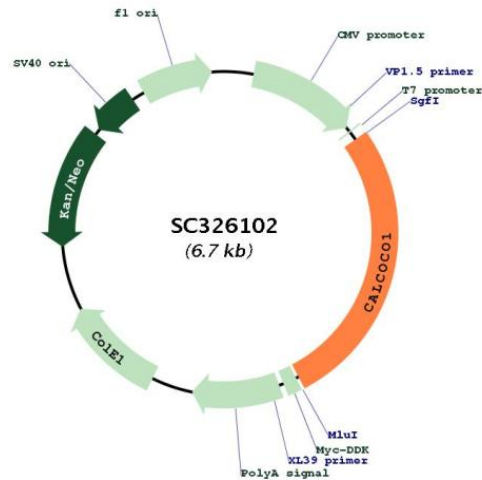
[View online »](#)

Fully Sequenced ORF: >SC326102 representing NM_001143682.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGAAGAATCACCACTAAGCCGGGCACCATCCCGTGGTGGAGTCAACTTCTCAATGTAGCCCGGACC
TACATCCCCAACACCAAGGTGGAATGTCACTACACCCTTCCCCAGGCACCATGCCAGTGCCAGTGAC
TGGATTGGCATCTTCAAGGTGGAGGCTGCCTGTGTTCCGGATTACCACACATTTGTGGTCTTCGGTG
CCTGAAAGTACAACCTGATGGTTCCTCCATTACACCAGTGTCCAGTTCGAAGAGCCAAGGCCATGGAT
GAACTGGTACCCTGGAGGAGGCTGATGGGGCTCTGACATCCTGCTGGTGTCCCAAGGCAACTGTG
TTACAGAACCAGCTCGATGAGAGCCAGCAAGAACGGAATGACCTGATGCAGCTGAAGCTACAGCTGGAG
GGACAGGTGACAGAGCTGAGGAGCCGAGTGCAGGAGCTCGAGAGGGCTCTGGCAACTGCCAGGCAGGAG
CACACGGAGCTGATGGAACAGTACAAGGGGATTTCCCGTCCCATGGGGAGATCACAGAAGAGAGGGAC
ATCCTGAGCCGGCAACAGGGAGACCATGTGGCACGCATCTGGAGCTAGAGGATGACATCCAGACCATC
AGTGAGAAAGTGTGACGAAGGAAGTGGAGCTGGACAGGCTTAGAGACACAGTGAAGGCCCTGACTCGG
GAACAAGAGAAGCTCCTTGGGCAACTGAAAGAAGTACAAGCAGACAAGGAGCAAAGTGAAGCCGAGCTG
GAGCCCTTGAAGGAGCAGCTTCGAGGGGCCAGGAGCTTGCAGCCTCAAGCCAGCAGAAAGCCACCTT
CTTGGGAGGAGTTGGCCAGTGCAGCAGCAGCCAGGGACCGCACCATAGCCGAATACACCAGCCAGCCG
CTGGAAGTGGCTGAAGTTAACCGCAGGCTGGCTGAGCTCGGTTTGCACTTGAAGGAAGAAAAATGCCAA
TGGAGCAAGGAGCGGGCAGGGCTGCTGCAGAGTGTGGAGGCAGAGAAGGACAAGATCCTGAAGCTGAGT
GCAGAGATACTTCGATTGGAGAAGGCAGTTCAGGAGGAGAGGACCCAAAACCAAGTGTTCAGACTGAG
CTGGCCCGGGAGAAGGATTCTAGCCTGGTACAGTTGTGAGAAAGTAAGCGGGAGCTGACAGAGCTGCGG
TCAGCCCTGCGTGTGCTCCAGAAGGAAAAGGAGCAGTTACAGGAGGAGAAACAGGAATTGCTAGAGTAC
ATGAGAAAAGCTAGAGGCCCGCCTGGAGAAGGTGGCAGATGAGAAGTGGAATGAGGATGCCACCACAGAG
GATGAGGAGGCCCTGTGGGGCTGAGCTGCCCGGCAGCTCTGACAGACTCAGAGGACGAGTCCCCAGAA
GACATGAGGCTCCCACCCTATGGCCTTTGTGAGCGTGGAGACCCAGGCTCCTCTCCTGCTGGGCCTCGA
GAGGCTTCTCCCCTTGTGTCATCAGCCAGCCGGCTCCCATTCTCCTCACCTCTCTGGCCAGCTGAG
GACAGTAGCTCTGACTCGGAGGCTGAAGATGAGAAGTCACTCCTGATGGCAGCTGTGCAGAGTGGGGT
GAGGAGGCCAACTTACTGCTTCTGAAGTGGGCAGTGCCTTCTATGACATGGCCAGTGGCTTTACAGTG
GGTACCCTGTGAGAAACCAGCACTGGGGCCCTGCCACCCACATGGAAGGAGTGTCTATCTGTAAG
GAGCGCTTCTGCTGAGAGTGACAAGGATGCCCTGGAGGACCACATGGATGGACTTCTTTTTCAGC
ACCCAGGACCCCTTACCTTTGAGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001143682

Insert Size: 1821 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001143682.1](#)

RefSeq Size: 2790 bp

RefSeq ORF: 1821 bp

Locus ID: 57658

UniProt ID: [Q9P1Z2](#)

Cytogenetics: 12q13.13

Protein Families: Transcription Factors

MW: 67.5 kDa

Gene Summary: 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]

Transcript Variant: This variant (2) omits an inframe coding exon and uses an alternate (in-frame) splice acceptor site, compared to variant 2. This results in a shorter protein (isoform 2).