

Product datasheet for **MC202644**

Calcoco1 (NM_026192) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Calcoco1 (NM_026192) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Calcoco1
Synonyms:	1810009B06Rik; Cocoa; Gcap11; mKIAA1536
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC054783 sequence for NM_026192
 AGGGGAACAGCTGATCCGTCCGTGGGGACATCAGCCATCTTGAGGACAGCATGGAAGAGTCATCACTAAG
 CCGGGCACCATCCCGGGTGGAGTCAACTTCTGAATGTGGCCCGCACCTACATCCCAACCAAGGTG
 GAATGTCACTACACTTTGCCTCCGGTACCATGCCAGTGCCAGTGACTGGATTGGCATTTTAAGGTGG
 AAGCTGCCTGCGTTCGAGATTATCACACGTTCTGTGGTCTCAGTGCCAGAAAGTACAAGTATGAGTCC
 CCCCACCATGCCAGTGTCCAATTCCAAGCCAGTACCTGCCAAACCAGGAGCCCAACTCTACCAGTTC
 CGGTATGTGAACCGCCAGGGCCGGTGTGTGGCAGAGCCCCCTTCCAGTTCGAGAGCCCAAGGCCCA
 TGGATGAGCTGGTGACCCTGGAGGAGGCTGATGGAGGCTCTGACATCCTGTTGGTTGTCCCTAAGGCCAC
 CGTGCTTCAGAACCAGCTGGATGAGAGCCAGCAGGAGCGGAATGACCTGATGCAGCTGAAGCTGCAGTTG
 GAGGATCAGGTGACAGAGCTGAGGAGCCGAGTGCAGGAGCTGGAGGCAGCTCTGGCCACGGCCAGGCAGG
 AGCATTCCGAGCTCACCGAGCAGTACAAGGGGCTCTCCCGTCCCATGGGGAGCTCTCAGAAGAGAGGGA
 CATCCTGAGCCAGCAGCAGGGAGACCATGTGGCCCGTATCCTGGAGTTAGAGGATGACATCCAGACCATG
 AGTGACAAAGTGTGATGAAGGAGTGGAGCTGGACAGGGTTAGAGACACAGTGAAGGCCCTGACACGGG
 AACAAGAGAAGCTCCTGAGACAGCTGAAGGAATCCAGGCAGACAAGGAGCAGAGTGAGGCTGAATTACA
 AACGGTCCGAGAGGAGAACTGCTGCTTAAATACAGAGCTGGAGGAGGCCAAGAGCCGGCAAGAAGAGCAA
 GGTGCTCAGGTCCAGCGACTGAAGGACAAGCTGGCCACATGAAGGACACCTGGGCCAAGCCAGCAGA
 AAGTGGCCGAGCTGGAGCCCTGAAAGAGCAGCTCCGAGGGTCCAGGAATTGCAGCCTCAAGCCAGCA
 GAAAGCGGCCCTCCTTGGGGAGGAGTTGGCCAGTGCAGCAGGAGCTAGAGACCGAACCATAGCTGAACTA
 CACCGCAGCCGACTGGAGGTGGCTGAAGTCAACGGCCGACTGGCTGAGCTCAGCCTGCACATGAAGGAGG
 AAAAGTCCAGTGGAGCAAGGAGCGGACAGGGCTGCTGCAGAGCATGGAGGCTGAAAAGGATAAGATCCT
 GAAGCTGAGTGCAGGATCCTCCGACTGGAGAAGCGGTGCAGGAGGAGAGGCCAGAGTACGTGTTT
 AAGACTGAGCTGGCCCGAGAAAAGGATTCTAGCCTGGTGCAGTTGTCAGAGAGTAAGCGGGAGCTCACAG
 AGTACGGTACGCCCTCCGTGTGCTTCAGAAGGAGAAGGAGCAGTTGCAGACGGAGAAACAGGAAGTCT
 GGAGTACATGAGGAAGCTGGAGGCCCGCCTGGAGAAGGTGGCGGATGAGAAGTGGACCGAAGATGCTGCC
 ACAGAGGACGAGGAAGCCACTGTGGGCTGAGCTGCCCTGCCTCTCTGACAGACTCAGAGGACGAGTCCC
 CAGAAGACATGCGGCTCCCATCCTATGGCTTGTGTGAGAGTGAAACACAAGCTCCTCTCCTCTGGGCC
 TCGGGAGCCTTCTCTTGTGTGATCAACCAACCAGCACCCATTGCTCCCGTCTCAGGTCCAGGG
 GAGGCCAGCAGCTCAGACTCGGAGGCTGAAGATGAGAAGTCACTCCTGATGGCAGCGGTGCAGAGTGGG
 GCGAGGAAGCCAGCCTCCTGCTTCTGAGCTCGGCAGTGCCTTCTATGACGTGGCCAGTGTCTTTACAGT
 GAGTTCCTGTGACAGGCCAGCCCTGGGTCCCAGCCAACCTCCATGGAAGGAGTGTCCATCTGCAAG
 GAGCGCTTCCCTGCTGAGAGTGACAAGGACGCCCTAGAGGGCCACATGGATGGGCATTTCTTCTTACGA
 CCCAGGACCCCTTTCACCTTTGAGTGACCTCACCTCCTCCTTATGTAGACACACGTGCACACACACAGA
 CATATATGCAGTTTGGTCTCATGCTTTTTCTTTTTCTTTCTTTTTTAAATCACACCAGGCTTTAT
 AATGTTCTGTTCTACAGACCATGCCTGCACCCTGCTTTCATCCCAAGCCTTACAACCTCATCTCCATC
 CTGATGTCTTTGTCCCAAGCAGCAATCTGTCTTGAAGCAGTGGCTGAGTTTACTTTTCTGAAAAGGTTT
 AGAGGAACCAGGATGGAGATGACTTTCCTTGGGGAATAGAATTATCCCACAATTTATTTACTGCTAG
 CCCAAGTACACACACACACACACATCACTCCCTTCTGATGCCCCAAAGCCAACCTCTGCCACCCCA
 CACCGAAGTCTCAAACGGAAAAGAAAATGATTTGTGCCTTCTGTGAGGGATAGGGGACAAGGGATCCC
 AGGTGTCCCATTTCGCCCCCTCACCTTCTCCAGCCCGCCCCCACAGCAATAAGAAGTCTTCTCTCT
 CCCTAAACTCTCCTCTTATTTGTAGTTGGACAAATATATTTATATGATATGTGTAAAAAAAAAAAAAA AAAA

Restriction Sites: Ascl-NotI
ACCN: NM_026192
Insert Size: 2076 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:	<u>BC054783</u> , <u>AAH54783</u>
RefSeq Size:	2734 bp
RefSeq ORF:	2076 bp
Locus ID:	67488
UniProt ID:	<u>Q8CGU1</u>
Cytogenetics:	15
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. 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]