

## Product datasheet for **RN215372**

### Calcoco1 (NM\_139190) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Calcoco1 (NM_139190) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Calcoco1
Synonyms:	KIAA1536; MGC93160
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >RN215372 representing NM\_139190  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAAGAAATCATCACTAAGCCGGGCACCATCCCGGGGTGGAGTCAGCTTCTGAACGTGGCCCGGACCT  
 ACGTCCCCAACACCAAGGTGGAATGTCACTACACTCTGCCTCCGGGCACACGCCAGCGCCAGCGACTG  
 GATTGGCATTAAAAAGGTGGAAGCTGCCTGTGTTCCGGATTATCACACATTTGTGTGGTCTTCAGTGCCA  
 GAAACTACAACGGATGGCTCCCCACCCACGCCAGTGTCCAATCCAAGCCAGCTACCTGCCAAACCCAG  
 GAGCCCAACTCTACCAAGTCCGGTATGTGGACCGCAGGGCCGGGTGTGTGGCAGAGCCCCCATTCCA  
 GTTCCGAGAGCCAAGGCCATGGATGAGCTGGTGACCCTGGAGGAGGCTGATGGAGGCTCTGACATCCTG  
 TTGTTGTCCCTAAGGCCACCGTCTCAGAACCAGCTGGATGAGAGCCAGCAGGAGCGGAATGACCTGA  
 TGCAGCTGAAGCTGCAGTTGGAGGATCAGGTGACAGAGCTGAGGAGCCGAGTGCAGGAGCTGGAAGCAGC  
 TCTGGCCACGGCCAGACAGGAGCATTAGAGCTCACCGAGCAATACAAGGCTCTCTCCCGTCCCATGGG  
 GAGCTCTCAGAAGAAAGGGACATCCTGAGCCAGCAACAGGGAGAGCATGTGGCCGTATCCTGGAGTTAG  
 AGGATGACATCCAGACCATGAGTGACAAAGTGCTGATGAAGGAAGTGGAGCTGGACAGGGTTAGAGACAT  
 GGTGAAGGCCCTGACACGGGAACAAGAGAACTCCTGGGGCAGCTGAAGGAATCCAGGCAGACAAGGAA  
 CAGAGTGAGGCTGAGTTACAACCGGTGCAGAGGAGAAGTCCACTTAAATACAGAGCTGCAGGAGGCCA  
 AGGGCCGGCAAGAAGAGCAAGGTGCTCAGGTCCAGCGACTGAAGGACAAGGTGGCCACATGAAGGACAC  
 CCTGGGCCAAACCCAGCAGAAAGTGGCCGAGCTGGAGCCTCTGAAAGAGCAGCTCCGAGGGGTCCAGGAA  
 CTTGCAGCCTCAAGCCAACAGAAAGCGGCCCTTCTTGGGAGGAGTTGGCCAGTGCAGCAGGAGCTAGAG  
 ACCGAACCATAGCTGAGCTACACCGAAGCCGACTGGAGGTGGCTGAAGTCAATGGCCGACTGGCTGAGCT  
 CAGCCTGCACATGAAGGAGGAAAAATGCCAATGGAGCAAGGAGCGGACAGGGCTGCTGCAGAGCATGGAG  
 GCTGAGAAGGATAAGATCCTGAAGCTAAGTGACAGAGATCCTCCGACTGGAGAAGACAGTGCAGGAGGAGA  
 GGAGCCAGAGCCACATGTTCAAGACCGAGCTGGCCGAGAAAAGGATTCTAGCCTGGTGCAGTTATCAGA  
 GAGTAAGCGGGAGCTCACAGAACTGCGGTGAGCCTCCGAGTACTTCAGAAAGGAGAAGGAGCAGTTGCAG  
 ACAGAGAAACAGGAGCTGCTGGAGTACATGAGGAACTGGAGGCCCGCCTGGAAAAGGTGGCAGATGAGA  
 AGTGGAAACGAAGACGCTGCCACAGAGGATGAGGAAGCCACTGCTGGGCTGAGCTGCCCTGCAGCTCTGAC  
 AGACTCGGAGGATGAGTCCCAGAAAGACATGAGGCTCCCCTCCTACGGCTTGTGTGAGCGTGAAACACA  
 AGCTCCTCTCCTCTGGACCTCGGGAGTCTTCTCTCTTGTGTATCAACCAGCCAGCACCCATTGCTC  
 CCCAGCTCTCAGGCCAGGGGAGGCCAGAGCTCAGACTCAGAGGCTGAAGATGAGAAGTCAAGTCTTGAT  
 GGCAGCTGTGCAGAGTGGTGGTGGAGGAAGCCAACCTTCTGCTTCTGAGCTCGGCAGTACCTTCTATGAT  
 GTGGCCAGTGGCTTTCAGTGTGTTCTCTGTGAGAGCCAGCACTGGGGTCCCAGCCATCCCTGCCTGGA  
 AGGAGTGTCTATCTGTAAGGAGCGCTTCCCTGCTGAGAGTGACAAGGATGCCCTGGAGGACCACATGGA  
 TGGACATTTCTTTTTCAGCACCCAGGACCCTTTCACCTTTGAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_139190  
**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).

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_139190.1</a></u> , <u><a href="#">NP_631929.1</a></u>
<b>RefSeq Size:</b>	2969 bp
<b>RefSeq ORF:</b>	2076 bp
<b>Locus ID:</b>	246047
<b>UniProt ID:</b>	<u><a href="#">Q66HR5</a></u>
<b>Cytogenetics:</b>	7q36
<b>Gene Summary:</b>	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 (By similarity). [UniProtKB/Swiss-Prot Function]